

SEQUENCE LISTING

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Mohamath, Raodoh
Indirias, Carol Y.

<120> COMPOSITIONS AND METHODS FOR THE THERAPY
AND DIAGNOSIS OF LUNG CANCER

<130> 210121.512

<140> US

<141> 2001-04-11

<160> 440

<170> FastSEQ for Windows Version 4.0

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<211> 567

<212> DNA

<213> Homo sapien

<400> 1

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<211> 413

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<400> 4
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 <212> DNA
 <213> Homo sapien

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<400> 6

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<211> 566

<212> DNA

<213> Homo sapien

<400> 7

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gtccagccac	aacttccagc	tggagagcgt	caacaagctg	taccaggacg	aaaaggcggg	480
tttggtgaat	aacatcacca	caggtgagag	gctcatccga	gtgctgcaag	accagttaaa	540
gaccctgcag	aggaattacg	gcaggc				566

<210> 8

<211> 515

<212> DNA

<213> Homo sapien

<400> 8

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aaatgtctcg	aaaaatttca	aaggagtcaa	aaaaagtga	catctctagt	tctctggaat	300
ctgaagatat	tagtttagaa	acaacagttc	ctacggatga	tatttcctca	tcagaagagc	360
gagagggcaa	agtcagaatc	accaggcagc	taattgaacg	aaaagactac	ttcataatat	420
tcagttacta	aaaattgagc	tatcccagaa	aactatgatg	atcgacaatt	tgaaagtgga	480
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<210> 9

<211> 415

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(415)

<223> n = A,T,C or G

<400> 9

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acaccttttg acatgagcat ccagtgtatc caaagtgtgt acatcagtaa gatcataagc    300
agtgatcgag atctcttggc tgtggtgttc tatgggtaccg agaaagacaa aaattcantg    360
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<210> 10
<211> 565
<212> DNA
<213> Homo sapien

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<400> 10
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tgcagaagct tgctggccaa aagatgtggg aattgttgcc cttgagatct attttccttc    180
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cattggccttg ggccaggcca agatgggctt ctgcacagat agagaagata ttaactctct    300
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<210> 11
<211> 505
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

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<400> 11
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cacggctctc ggcaccagat gaggaaccac tgtctcaata agtgacacca gtgatgctgt    240
taaacaagga caatccggtt catggattgt gacaacgcac gotgacatca agcagaccct    300
gccgtcaggt acagagggca ccacagtgac caggaactgc tgtcctttca taccangttt    360
tangaggctt taccanaagg aatggaaaaa gctggtgggc aagtaagatt gaaacagcat    420
ctgaggactg gttctgcaca aaaccttaaa ttcttcaagg actttgacat ttgtttattc    480
ttgtaacaaa ttaaaaccta ttctt      505

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<210> 12
<211> 513
<212> DNA
<213> Homo sapien

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<400> 12
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cgcgcccccg gggccggtcc cggagggctc gatccgcata tacagcatga ggttctgccc    120

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gtttgctgag	aggacgcgtc	tagtcctgaa	ggccaaggga	atcaggcatg	aagtcatcaa	180
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gaagatgatc	ttagagttgt	tttctaaggt	gccatccttg	gtaggaagct	ttattagaag	420
ccaaaataaa	gaagactatg	atggcctaaa	agaagaattt	cgtaaagaat	ttaccaagct	480
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<210> 13
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 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(375)
 <223> n = A,T,C or G

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taagtgaacc	tgctg					375

<210> 14
 <211> 298
 <212> DNA
 <213> Homo sapien

<400> 14						
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ctccaaagtt	atgttggtag	tatagcaaat	tatgatgaat	agctttaatt	gtatgtttaa	180
aagtctcata	tgttcacatg	cttaaactctg	ggtatcagaa	tttaagcaat	tcttgaaatg	240
tattgtctcc	ttaatatact	aattacaaag	caaaaaaaaa	aaaaaaaaaa	aactcgag	298

<210> 15
 <211> 506
 <212> DNA
 <213> Homo sapien

<220>
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 <222> (1)...(506)
 <223> n = A,T,C or G

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gtagaagacc	ttggctccaa	gatactcctc	acctgctcct	tgaatgacag	cgccacagag	180
gtcacagggc	accgctggct	gaaggggggc	gtggtgctga	aggaggacgc	gctgcccggc	240

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acaaggccct tattgaaccg gcttcc 506

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<210> 16
<211> 286
<212> DNA
<213> Homo sapien

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<400> 16
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tttatttttg ctttgttttt aatgaacatt tgtctttcag aataggattg tgtgataatg 180
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aaaacacttc ttggtaacac aaaaaaaaaa aaaaaaaaaa ctcgag 286

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<210> 17
<211> 387
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

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<400> 17
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cccaagggtta cttacaaagc tccagttcca acaggggaag tatattttgc tgattctttt 300
gacagaggaa ctctgtcagg gtggatttta tccaaagcca agaaagacna tcccgatgat 360
gaaattgccca aatatgatgg aaagtgg 387

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<210> 18
<211> 415
<212> DNA
<213> Homo sapien

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<400> 18
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gtacccgaga aagacaaaaa ttcagtgaat tttaaaaata tttacgtctt acaggagctg 360
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<210> 19
<211> 466
<212> DNA

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<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(466)

<223> n = A,T,C or G

<400> 19

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gggaaaaccg	aagccagaat	gaaaaagtgg	gaaaaacttt	tgaaagcttg	cccgtgccat	420
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<210> 20

<211> 296

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(296)

<223> n = A,T,C or G

<400> 20

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tgtgagctag	agtgaagcag	aaatctagga	agatgagctc	caagatggtc	ataagtgaac	180
caggactgaa	ttgggatatt	tccccaaaa	atggccttaa	gacatttttc	tctcagaaaa	240
ttataaagat	cattccatgg	cttccaagtt	taaaaagaac	ttacgtgggt	tttatc	296

<210> 21

<211> 328

<212> DNA

<213> Homo sapien

<400> 21

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gaagccagcg	agccgggaact	cctgaaccgc	agcttgtcca	tgtggcacgg	gctcgggaca	240
caggtcagcg	gggaggagct	ggatgtcccc	ctggatcttc	acacagctgc	ttcattggcc	300
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<210> 22

<211> 466

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(466)

<223> n = A,T,C or G

<400> 22

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agtacctggt	ttcacaccac	gcctggcaat	attacaggtt	ggcaacagag	atgattccaa	180
tctttatata	aatgtgaagc	tgaaggctgc	tgaagagatt	gggatcaaag	ccactcacat	240
taagttacca	agaacaacca	cagaatctga	ggtgatgaag	tacattacat	ctttgaatga	300
agactctact	gtacatgggt	tcttagtgca	gctaccttta	gattcagaga	attccattaa	360
cactgaagaa	gtgatcaatg	ctattgcacc	cganaaggat	gtggatggat	tgactagcat	420
caatgctggg	aaacttgcta	gaggtgacct	caatgactgt	ttcatt		466

<210> 23

<211> 517

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(517)

<223> n = A,T,C or G

<400> 23

gaattcggca	cgagcagagg	tctccagagc	cttctctctc	ctgtgcaaaa	tggcaactct	60
taaggaaaaa	ctcattgcac	cagttgcgga	agaagaggca	acagttccaa	acaataagat	120
cactgtagtg	ggtgttgac	aagttggtat	ggcgtgtgct	atcagcattc	tgggaaagtc	180
tctggctgat	gaacttgctc	ttgtggatgt	tttggaagat	aagcttaaag	gagaaatgat	240
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ttctgtgacc	gccaaattcta	agattgtagt	ggtaactgca	ggagtccgtc	agcaagaagg	360
ggagagtcgg	ctcaatctgg	tgcagagaaa	tgtaaatgtc	ttcaaattca	ttattcctca	420
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<210> 24

<211> 196

<212> DNA

<213> Homo sapien

<400> 24

gaattcggca	cgaggggtggc	actatgtggc	gcgtctgtgc	gcgacgggct	cagaatgtag	60
ccccatgggc	gggactcgag	gctcgggtga	cggccttgca	ggaggtaccc	ggaactccac	120
gagtgacctc	gcgatctggc	ccggctcccc	ctcgtcgcaa	cagcgtgact	acagggtatg	180
gcgggggtccg	ggcact					196

<210> 25

<211> 365

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(365)

<223> n = A,T,C or G

<400>	28						
gaattcggca	cgaggttggt	ctgaaattca	tgcaagcttc	cgaagatctt	ctcaaggaac		60
actacgttga	cctgaaggac	cgtccattct	ttgccggcct	ggtgaaatac	atgcactcag		120
ggcccggtag	tgccattggtc	tgggaggggc	tgaatgtggt	gaaaacgggc	cgagtcatgc		180
tcggggagac	caacctgca	gactccaagc	ctgggaccat	ccgtggagac	ttctgcatac		240
aagttggcag	gaacattata	catqgcagtq	attctgtgga	gagtq			285

<400>	29								
gaattcggca	cgagcaacct	tgtaaatgtg	aaagtacaac	togtatttat	ctctgatgtg				60
ccgctggtg	aactttgggt	tcatttggtg	tcaaagccag	ttttctttt	aaaattgaat				120
tcattctgat	gcttgcccc	catacccca	accttgtcca	gtggagccca	acttctaag				180
gtcaatatat	catcctttg	catcccaact	aacaataaag	agtaggctat	aagggaagat				240
tgtcaatatt	ttgtggttaag	aaaagctaca	gtcattttt	ctttgcactt	tggatgctga				300
aatttttccc	atggaacata	gccacatcta	gatagatgtg	agctttttct	tctgttaaaa				360
ttattcttaa	tgtctgtaaa	aacgattttc	ttctgtagaa	tgtttgaactt	cgtattgacc				420
cttatctgta	aaacacctat	ttgggataat	atttgaaaa	aaagtaaata	gctttttcaa				480
aatgaaaaaa	aaaaaaaaaa	aaaaaactcg	aq						512

<400>	30								
gaattcggca	cgaggccagg	tgggcagccc	gcggaaccgac	ccctactcgg	cggcgcaact			60	
ccacaaccag	tacggcccca	tgaatatgaa	catgggtatg	aacatggcag	cagccgcggc			120	
ccaccaccac	caccaccacc	accaccaccc	cggtgccttt	ttcccgtat	atgcggcagc			180	
agtgcataaa	gcaggagcta	atctgcaagt	ggatcgacct	cgagcaactg	agcaatcccc			240	
agaagagctg	caacaaaact	ttcagcacca	tgcacgagct	ggtgacacac	gtctcgggtg			300	
agcagtcggy	cggcccgagg	cagagcaacc	acgtctgctt	ctgggaggag	tgtccgcgcg			360	
agggaagcc	cttcaaggcc	aaatacaaac	tgttcaacca	catccgcgtg	cacacaggcg			420	
agaaaccctt	cccctgcccc	ttcccqqqct	gtggcaaaqt	cttc				464	

```
<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G
```

```
<210> 32
<211> 275
<212> DNA
<213> Homo sapien
```

<220>
 <221> misc_feature
 <222> (1)...(275)
 <223> n = A,T,C or G

<400> 32
 gaattcggca cgagcgaagg aggacggagg cttcagacac tcggaagcct ttgaggcact 60
 ccagcaaaaag agtcagggac tggactccag gctccagcac gtggaggatg ggggtgctctc 120
 catgcagggtg gcttctgcgc gccagaccga gagcctggag tccctcctgt ncaagagcca 180
 ggagcacgag cagcgccctgg ccgccctgca ggggcgcctg gaaggcctcg ggtcctcata 240
 ggcanaccan gatggcctgc cagcacggtg aggag 275

<210> 33
 <211> 516
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(516)
 <223> n = A,T,C or G

<400> 33
 gaattcggca cgagggggcc tgggcgttga ctgtgggaaa ctcggaaca agctcacatc 60
 ttcctgtggg aaaccttcta gcaacaggat gagtctgcag tggactgcag ttgccacctt 120
 cctctatgcg gaggtctttg ttgtgttgct tctctgcatt tccttcattt ctccataaaag 180
 atggcagaag attttcaagt cccggctggg ggagttgtta gtgtcctatg gcaacacctt 240
 ctttgtgggt ctcatgtgca tccttgtgct gttggtcacg gatgccgtgc gcgaaattcg 300
 gaagtatgat gatgtgacgg aaaaggtgaa cctccagaac aatcccgggg ccatggagca 360
 ctccacatg aagnttttcc gtgccagag gaatctctac attgctggct tttccttgct 420
 gctgtccttc ctgcttagac gcctgggtgac tctcatttcc aacaggccac gctgctggcc 480
 ttcaatgaac ctttaaaaac aggcggagag tncat 516

<210> 34
 <211> 446
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(446)
 <223> n = A,T,C or G

<400> 34
 gaattcggca cgagacagaa atgnctaaag aagagaagga ccctggaatg ggtgcaatgg 60
 gtggaatggg aggtggtatg ggaggtggca tgttctaact cctagactag tgctttacct 120
 ttattaatga actgtgacag gaagcccaag gcagtgttcc tcccaataac ttcagagaag 180
 tcanttgag aaaatgaaga aaaaggctgg ctgaaaatca ctataacat cagttactgg 240
 tttcagttga caaaatatat aatgggtttac tgctgtcatt gtccatgcct acagataatt 300
 tattttgtat ttttgaataa aaaacatttg tacattcctg atactgggta caagagccat 360
 gtaccagtgt actgctttca acttaaatca ctgaggcatt tttactacta ttctgttaaa 420
 atcaggattt tagtgcttgc ccccca 446

<210> 35
 <211> 440
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(440)
 <223> n = A,T,C or G

<400> 35
 gaattcggca cgagggtttat ttgtccccac cagaaggttg ggggtgggcgg gcctagaaca 60
 cagcgtgcgg cgggttcccc ggtggagcca gcgcagacag cgtgggtccc tgcggctctt 120
 angcgaaggt ggagttgttc cancccacat tggcccgctt ttcattgtcg taatagttga 180
 tgtagacctt gtccgggctg atgcgcaggc gctctgccag caggccgcac agcagcttgc 240
 tgtaggagcg gttctgcgcg ccgccgatct tgccgatgct gtgcangctg canagcgcg 300
 acggctcgct ggagccgccg aaggccatga gctggtccgg gaccacgtgc accgctatgt 360
 actggggggg cttgccggtg gcctgcgcca nctgctgggt gagctcggag aggaaccgtc 420
 cggcacggag gcgcggggca 440

<210> 36
 <211> 373
 <212> DNA
 <213> Homo sapien

<400> 36
 gaattcggca cgaggccaaa cgtaccaaga aagtcgggat cgtcggtaaa tacgggaccc 60
 gctatggggc ctccctccgg aaaatggtga agaaaattga aatcagccag cacgccaagt 120
 acacttgctc tttctgtggc aaaaccaaga tgaagagacg agctgtgggg atctggcact 180
 gtggttcctg catgaagaca gtggctggcg gtgacctggac gtacaatacc acttccgctg 240
 tcacggtaaa gtccgccatc agaagactga aggagttgaa agaccagtag acgtccctct 300
 actctttgag acatcactgg cctataataa atgggttaat ttatgtaaca aaaaaaaaaa 360
 aaaaaaactc gag 373

<210> 37
 <211> 565
 <212> DNA
 <213> Homo sapien

<400> 37
 gaattcggca cgaggggggca cgggcacccc cgcggtcccc gggaggctag agatcatgga 60
 agggaagtgg ttgctgtgta tgttactggt gcttggaact gctattgttg aggctcatga 120
 tggacatgat gatgatgtga ttgatattga ggatgacctt gacgatgtca ttgaagaggt 180
 agaagactca aaaccagata ccaactgctc tccttcatct cccaaggtta cttacaaagc 240
 tccagttcca acaggggaag tatattttgc tgattctttt gacagaggaa ctctgtcagg 300
 gtggatttta tccaaagcca agaaagacga taccgatgat gaaattgcca aatatgatgg 360
 aaagtgggag gtagaggaaa tgaaggagtc aaagcttcca ggtgataaag gacttgtgtt 420
 gatgtctcgg gccaaagcat atgccatctc tgctaaactg aacaagccct tcctgtttga 480
 caccaagcct ctcttggtca gtatgaggtt aatttccaaa atggaataga atgtggtggt 540
 gcctatgtga aactgctttc taaaa 565

<210> 38
 <211> 566
 <212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(566)

<223> n = A,T,C or G

<400> 38

gaattcggca	cgagcccaac	tttagccagg	aagatcagca	ggacaccag	atztatgaga	60
agcatgacaa	ccttctacat	gggaccaaga	agaaaaagga	gaagatggg	agtgcagcat	120
tcatagaaga	gtacatccat	gtggccaaaa	tcatacaagg	tgtcctgaca	caggagtcgg	180
ccacctacat	tgcagaagag	tattcacgcc	tgcgcagcca	ggatagcatg	agctcagaca	240
ccgccaggac	atctccagtt	acagcccga	cactggaaac	tctgattcga	ctggccacag	300
cccattgcga	ggcccgcatg	agcaagactg	tggacctgca	ggatgcagag	gaagctgtgg	360
agttgggtcca	gtatgcttac	tttaagaagg	ttctggagaa	ggagaagaaa	cgtaagaagc	420
gaagtgagga	tgaatcagag	acagaagatg	aagaggagaa	aagccaagag	gaccaggagc	480
agaagaggaa	gagaagggaag	actcgccagc	cagatgccaa	agatggggat	tcatacgacc	540
cctatgactt	cagtgcacaca	gaggan				566

<210> 39

<211> 364

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(364)

<223> n = A,T,C or G

<400> 39

gaattcggca	cgaggtctca	cagaaagttc	tccgctccca	gacatgggtc	cctcggcttc	60
ctgcctcgga	agcgcatcag	caggcatcgt	gggaagggtga	agagcttccc	taaggatgac	120
ccgtcccaagc	cggtccacct	cacagccttc	ctgggataca	aggctggcat	gactcacatc	180
gtgcgggaag	tcgacaggcc	gggatccaag	gtgaacaaga	aggaggtggt	ggaggctgtg	240
accattgtag	agacaccacc	catggtgggt	gtgggcattg	tgggctacgt	ggaaaccctt	300
ngaggcctcc	ggacctttaa	gactgtcttt	gcttgagcac	atcantgatg	aatgcaagag	360
gcgt						364

<210> 40

<211> 336

<212> DNA

<213> Homo sapien

<400> 40

gaattcggca	cgagcccaga	tctcctaccc	agcctcccag	ggggcctact	acatccctgg	60
acaggggctg	tccacatacg	ttgtcccagc	acagcagtag	cctgtgcagc	caggagcccc	120
aggcttctat	ccaggtgcaa	gccctacaga	atttgggacc	tacgctggcg	cctactatcc	180
agcccaaggg	gtgcagcagt	ttcccactgg	cgtggccccc	gccccagttt	tgatgaacca	240
gccaccccag	attgctccca	agagggagcg	taagaogato	cgaattcgag	atccaaacca	300
aggaggaaag	gatatacag	aggagatcat	gtctgg			336

<210> 41

<211> 566

<212> DNA

<213> Homo sapien

<400> 41

gaattcggca	cgagacttgg	gaaaatgaat	tcagaggagg	aagatgaagt	gtggcaggtg	60
atcataggag	ccagagctga	gatgacttca	aaacaccaag	agtacttgaa	gctggaaacc	120
acttgatga	ctgcagttgg	tctttcagag	atggcagcag	aagctgcata	tcaaactggc	180
gcagatcagg	cctctataac	cgccaggaat	cacattcagc	tggtgaaact	gcaggtggaa	240
gaggtgcacc	agctctcccg	gaaagcagaa	accaagctgg	cagaagcaca	gatagaagag	300
ctccgtcaga	aaacacagga	ggaaggggag	gagcgggctg	agtcggagca	ggaggcctac	360
ctgctgtagg	attgagggcc	tgagcacact	gccctgtctc	cccactcagt	ggggaaagca	420
ggggcagatg	ccaccctgcc	cagggttggc	atgactgtct	gtgcaccgag	aagaggcggc	480
aggtcctgcc	ctgccaatca	ggcgagacgc	ctttgtgagc	tgtgagtgcc	tcctgtggtc	540
tcaggcttgc	gcttggacct	ggttct				566

<210> 42

<211> 386

<212> DNA

<213> Homo sapien

<400> 42

gaattcggca	cgagggcagc	tcgagtccac	cagcagcgcc	gtccgcttga	ccgagatgct	60
gcgggcctgt	cagttatcgg	gtgtgaccgc	cgccgcccag	agttgtctct	gtgggaagtt	120
tgtcctccgt	ccattgcgac	catgcgcgag	atactctact	tcaggcagct	ctgggttgac	180
tactggcaaa	attgctggag	ctggccctttt	gtttgttggg	ggaggtattg	gtggcactat	240
cctatatgcc	aaatgggatt	cccattttccg	ggaaagtgtg	gagaaaacca	taccttactc	300
agacaaactc	ttcgagatgg	ttcttgggtcc	tgcagcttat	aatgttccat	tgccaaagaa	360
atcgattcaa	gtcgggtcca	ctaaaa				386

<210> 43

<211> 514

<212> DNA

<213> Homo sapien

<400> 43

gaattcggca	cgagggcaaa	acctccacct	cctgatgaat	ttcttgactg	tttccaaaag	60
tttaaacacg	gatttaacct	tctggccaaa	ctgaagtctc	atattcagaa	tcctagtgtc	120
gcagatttgg	ttcacttttt	gtttactcca	ttaaatatgg	tgggtcaggc	aacaggagggt	180
cctgaactag	ccagttcagt	acttagtccc	ctattgaata	aggacacaat	tgatttctta	240
aattatactg	tcaatggtga	tgaacggcag	ctgtggatgt	cattgggagg	aacttggatg	300
aaagccagag	cagagtggcc	aaaagaacag	tttattccac	catatgttcc	acgattccgc	360
aatggctggg	agcccccatt	gctgaacttt	atgggagcca	caatggaaca	agatctttat	420
caactggcag	aatctgtggc	aaatgtagca	gaacatcagc	gcaaacagga	aataaaaaaga	480
ttatcccaga	gcatttcagt	gtatcagaat	atta			514

<210> 44

<211> 467

<212> DNA

<213> Homo sapien

<400> 44

gaattcggca	cgagactaga	gccgcacac	atggggactt	ctgcaaatac	agagactcgg	60
attaaagggtg	gagaagatgg	agctaaagga	actgcttatt	taatacattt	gaacaacttt	120
tggggctactt	agaagggtgt	ttgaaacctg	catttgatta	agcaagaatt	cgcttgcaag	180
ttaaggggca	ctccacagaa	ggatgttatt	atcaagtcag	atgcaccgga	cactttgtta	240

```
<210> 45
<211> 344
<212> DNA
<213> Homo sapien
```

<400>	45						
gaattcggca	cgagggagac	tggaggaaga	gctccgccag	ctgaagtccg	attcccacgg		60
gccgaaggag	gacggaggct	tcagacactc	ggaagccttt	gaggcaactcc	agcaaaagag		120
tcagggaactg	gactccaggc	tccagcacgt	ggaggatggg	gtgctctcca	tgcaagtggc		180
ttctgcgcgc	cagaccgaga	gcctggagtc	cctcctgtcc	aagaaccagg	aacacgagca		240
gcgctggcc	gcctgcaggg	gcgctggaa	agcctcgggt	cctcagaagc	agaccangat		300
ggcctgccag	cacngtqagg	agcctgggcg	agaccagct	ggtg			344

```
<210> 46
<211> 303
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(303)  
<223> n = A,T,C or G
```

```
<400> 46
gaattcgggca cgagnggggaa cacaagtatg tgccaccaca ccttggtaac ttttaaattg      60
tttttagata tgaggtctga ccatgttgcc catgccatta ttattccttt tgataaaggt      120
gaatttaggc taaactgtga aagaatgtac agcaaatggc tctgttaatt cttctcatag      180
gaggacaggt tactgttaat agagaacata tgtatgtaat ggctaaaaaat agggcagtag      240
aaaaggaatg taacttctca cctcctttga gaatgnaaag aaagaaagaa aaaaggatgg      300
tac                                                    303
```

```
<210> 47
<211> 364
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(364)
<223> n = A,T,C or G
```

```
<400> 47
gaattcggca cgaganatag ttcctttctc taaagtggat gaggaacaaa tgaaatataa      60
atcggagggg aagtgtctct ctgttttggg attttgtaaa tcttctcagg ttcagagaag      120
```

attcttcatg	ggaaatcaag	ttctaaaggt	ctttgcagca	agagatgatg	aggcagctgc	180
agttgcactt	tcctccctga	ttcatgcttt	ggatgactta	gacatgggtg	ccatagttcg	240
atatgcttat	gacaaaagag	ctaactctca	agtcggcggtg	gcttttcctc	atatcaagca	300
taactatgag	tgtttagtgt	atgtgcagct	gcctttcatg	gaagacttgc	ggcaatacat	360
gttt						364

<210> 48
 <211> 284
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(284)
 <223> n = A,T,C or G

<400> 48						
gaattcggca	cgagagcagc	tggaggcact	ggagaaggag	aaggctgcc	agctggagat	60
tctgcagcag	caacttcagg	tggctaata	agcccgggac	agtgccaga	cctcagtgac	120
acaggcccag	cgggagaagg	cagagctgag	ccggaagggtg	gaggaaactcc	aggcctgtgt	180
tgagacagcc	cgccaggaac	agcatgaggc	ccaggcccag	gttgcagagc	tagagttgca	240
gctgcggtct	gagcagcaaa	aagcaactga	ganagaaaagg	gtgg		284

<210> 49
 <211> 313
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(313)
 <223> n = A,T,C or G

<400> 49						
gaattcggca	cgagggtttat	tatagctcat	acctggggacc	gattaagggtg	tcaacatttt	60
aaaattactc	aagatattaa	ccagaaaaga	tgattatggc	ctttaaaact	attggacaaa	120
ctgatgctat	ttaacattgt	tcacagccat	ttaatttgaa	taacaaattt	tagattctaa	180
gtaggccata	acttctttgc	aaaacaattg	atttataaag	gtacagtttc	agaaggnaac	240
agcatgagac	tagtcttcct	ataggcacat	tttagtagac	tgctcttctc	atccctggtc	300
aaggagcttc	tct					313

<210> 50
 <211> 522
 <212> DNA
 <213> Homo sapien

<400> 50						
gaattcggca	cgaggggacag	ccaacaaaag	cagcttcttg	aagttcaact	tcagcaaaat	60
aaggagctgg	aaaataaata	tgctaaatta	gaagaaaagc	tgaaggaatc	tgaggaagca	120
aatgaggatc	tgcggagggtc	ctttaatgcc	ctacaagaag	agaaacaaga	tttatctaaa	180
gagattgaga	gtttgaaagt	atctatatcc	cagctaacaa	gacaagtaac	agccttgcaa	240
gaagaaggta	ctttaggact	ctatcatgcc	cagttaaaag	taaaagaaga	agaggtaac	300
aggttaagt	ctttgttttc	ctcctctcaa	aagagaattg	cagaactgga	agaagaattg	360
gtttgtgttc	aaaaggaagc	tgccaagaag	gtaggtgaaa	ttgaagataa	actgaagaaa	420

```

gaattaaagc atcttcatca tgatgcaggg ataatgagaa atgaaactga aacagcagaa      480
gagagagtgg cagagctagc aagagatttg gtggagatgg aa                          522

```

```

<210> 51
<211> 463
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

```

```

<400> 51
gaattcggca cgaggagcac ttccggctcct cgcgcgctcg cgtccctctg tgcgggctcc      60
agccgcagcc ttagcttcgg ctcccggctt ggggtggcgc gccgtgccct cgttttggcc      120
tccgaacgcg gctcgaatgg caagccaaaa ttccttcggg atagaatatg atacctttgg      180
tgaactaaag gtgccaaatg ataagtatta tggcgcccag accgtgagat ctacgatgaa      240
ctttaagatt ggaggtgtga cagaacgcac gccaacccca gttattaaag cttttggcat      300
cttgaagcga gcggccgctg aagtaaacca ggattatggt cttgatccaa agattgctan      360
tgcaataatg aaggcagcag angaggtagc tgaaggtaaa ttaaatgatc attttcctct      420
cgtggtatgg cagactggat caggaactca gacaaatatg aat                          463

```

```

<210> 52
<211> 423
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

```

```

<400> 52
gaattcggca cgagaaagcg cagccgagcc cagcgccccg cacttttctg agcagacgtc      60
cagagcagag tcagccagca tgaccgagcg ccgcgtcccc ttctcgctcc tgcggggccc      120
cagctgggac cccttcgcg actggtaccc gcatagccgc ctcttcgacc aggccttcgg      180
gtgccccggt ctgcccggag agtggtcgca gtggttaggc ggcagcagct ggccaggcta      240
cgtgcgcccc ctgccccccg ccgccatcga gagccccgca gtggccgcgc ccgcctacag      300
ccgcgcgctc agccggcaac tcagcagcgg ggtctcggag atccggcaca ctgcggaccg      360
ctggcgcgctg tccctggatg tcaaccactt cgcgccggac gagctgacgg tcaagaccaa      420
nga                                          423

```

```

<210> 53
<211> 474
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(474)
<223> n = A,T,C or G

```

```

<400> 53

```

gaattcggca	cgagggaatc	tctacattgc	tggtctttcc	ttgctgctgt	ccttcctget	60
tagacgcctg	gtgactctca	tttcgcagca	ggccacgctg	ctggcctcca	atgaagcctt	120
taaaaagcag	gcggagagtg	ctagttaggc	ggccaagang	tacatggagg	agaatgacca	180
gctcaagaan	ggagctgctg	ttgacggagg	caagttggat	gtcgggaatg	ctgaggtgaa	240
gttggaggaa	gagaacagga	gcctgaaggc	tgacctgcag	aagctaaagg	acgagctggc	300
cagcactaag	caaaaactag	agaaagctga	aaaccagggt	ctggccatgc	ggaagcagtc	360
tgagggcctc	accaaggagt	acgaccgctt	gctggaggag	cacgcaaagc	tgacggctgc	420
agtagatggt	cccatggaca	agaaggaaga	gtaagggcct	tccttcctcc	cctg	474

<210> 54

<211> 473

<212> DNA

<213> Homo sapien

<400> 54

gaattcggca	cgagctcgtg	ccgaatcggc	acgagggatc	ggtcgcctga	gaggtatcac	60
ctcttctggg	ctcaagatgg	acaacaagaa	gcgcctggcc	tacgccatca	tccagttcct	120
gcatgaccag	ctccggcacg	ggggcctctc	gtccgatgct	caggagagct	tggaagtgcg	180
catccagtgc	ctggagactg	cgtttggggg	gacggtagaa	gacagtgacc	ttgcgctccc	240
tcagactctg	ccggagatat	ttgaagcggc	tgccacgggc	aaggagatgc	cgcaggacct	300
gaggagccca	gcgcgaaccc	cgcttccga	ggaggactca	gcagaggcag	agcgctcaa	360
aaccgaagga	aacgagcaga	tgaaagtggg	aaactttgaa	gctgccgtgc	atttctacgg	420
aaaagccatc	gagctcaacc	cagccaacgc	cgtctatttc	tgcaacagaa	gcc	473

<210> 55

<211> 365

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(365)

<223> n = A,T,C or G

<400> 55

gaattcggca	cgagtgattg	aggatcagtt	gggtgccaga	cactctctta	ggtgtcagag	60
ctccagttta	cattacacag	ataaggtccc	tgccccccag	cgaagctggc	attaaagtca	120
gcaaataaat	gttcaggatt	ttgataagtg	ctgtaaagga	aaaaagacct	gtaacagggg	180
ggaatgactg	gggagggggc	gaggctctat	ctaggcaggg	atggaccaga	cntgagagtg	240
accaggaggt	tcgagccagt	tgacagggga	caagaaaggc	cttctgggca	ggggcactta	300
caggtacaga	gccctgcag	cagaataagc	ttctcctacc	ggagaggcaa	aaagaaggcc	360
ttttg						365

<210> 56

<211> 517

<212> DNA

<213> Homo sapien

<400> 56

gaattcggca	cgagggacgc	cgttttggtg	cctgagatga	agttggagcc	cttgtttttg	60
acattggatc	ctatactgtg	agagctgggt	atgctgggtg	ggactgcccc	aaggtggatt	120
ttcctacagc	tattggtatg	gtggtagaaa	gagatgacgg	aagcacatta	atggaaatag	180
atggcgataa	aggcaaacaa	ggcgggtccc	cctactacat	agataactaat	gctctgcgtg	240
ttccgaggga	gaatatggag	gccatttcac	ctctaaaaaa	tgggatgggt	gaagactggg	300

atagtttcca	agctattttg	gatcatacct	acaaaatgca	tgtcaaatca	gaagccagtc	360
tccatcctgt	tctcatgtca	gaggcaacgt	ggaatactag	agcaaagaga	gagaaactga	420
cagagttaat	gtttgaacac	tacaacatcc	ctgccttctt	cctttgcaaa	actgcagttt	480
tgacagcatt	tgctaattggt	ccgttctact	gggcttg			517

<210> 57
 <211> 237
 <212> DNA
 <213> Homo sapien

<400> 57						
gaattcggca	cgagctatga	gatagtatta	agcaattaaa	agaatatatg	acttttctac	60
atcaaaattt	gaaacttctg	tgcatcaaag	gacacaatca	acagagtga	gaggaaactt	120
acagaatggg	agaaaatatt	tgtaaatcat	gtatctcata	aggattaata	tccaggctat	180
gtaaagaact	acatctcaac	acaaaaacac	aaacagcttg	attaaaaaat	gggcaaa	237

<210> 58
 <211> 485
 <212> DNA
 <213> Homo sapien

<400> 58						
gaattcggca	cgagcgcggc	ggtcactgcg	ccggggtagt	gggccccagt	gttgcgctct	60
ctggccgttc	cttacctttt	gcttcaggct	ccagtgcagg	ggcgtagtgg	gatatggcca	120
actcgggctg	caaggacgtc	acgggtccag	atgaggagag	ttttctgtac	tttgcctacg	180
gcagcaacct	gctgacagag	aggatccacc	tcogaaaccc	ctcggcggcg	ttcttctgtg	240
tggcccgcct	gcaggatttt	aagcttgact	ttggcaattc	ccaaggcaaa	acaagtcaaa	300
cttggcatgg	agggatagcc	accatttttc	agagtccctg	cgatgaagtg	tggggagtag	360
tatggaaaat	gaacaaaagc	aattttaaatt	ctctggatga	gcaagaaggg	gttaaaagtg	420
gaaatgtatg	ttgtaataga	agttaaaagt	tgccaacttc	aagaaaggaa	aaaaaaaaata	480
acctg						485

<210> 59
 <211> 514
 <212> DNA
 <213> Homo sapien

<400> 59						
gaattcggca	cgagtggcgt	tggaggtcgg	cgatatggaa	gatgggcagc	tttccgactc	60
ggattccgac	atgacggtcg	caccacagcg	caggcoctg	caattgccaa	aagtgcctag	120
tggcgacagt	gctatgagg	ccttccagaa	cacggcaact	gcatgtgcac	cagtatcaca	180
ttatcgagct	gttgaaagt	tggattcaag	tgaagaaagt	ttttctgatt	cagatgatga	240
tagctgtctt	tggaacgca	aacgacagaa	atgttttaac	cctcctccca	aaccagagcc	300
ttttcagttt	ggccagagca	gtcagaaacc	acctgttgct	ggaggaaaga	agattaacaa	360
catatgggg	gctgtgctgc	aggaacagaa	tcaagatgca	gtggccactg	aacttggtat	420
cttggggaatg	gagggcacta	ttgacagaag	cagacaatcc	gagacctaca	attatttgct	480
tgccaagaaa	cttaggaagg	aatctcaaga	gcac			514

<210> 60
 <211> 336
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(336)
 <223> n = A,T,C or G

<400> 60
 gaattcggca cgaggccgcc ggggtgctggt caccggggca ggcaaaggta tagggcgcg 60
 cacggtccag gcgctgcaag cgacggggcg gcgggtggtg gctgtgagcc ggactcaggc 120
 ggatcttgac agccttgctc gcgagtgccc ggggatagaa cccgtgtgagc tggacctggg 180
 tgactgggag gccaccgagc gggcgctggg cagcgtgggc cccgtggacc tgctggtgaa 240
 caacgccgct gtcgccctgc tgcagccctt nctggaggtc accaaggagg cctttgacag 300
 atcctttgag gtgaacctgc gtgcggtcat ccaggt 336

<210> 61
 <211> 515
 <212> DNA
 <213> Homo sapien

<400> 61
 gaattcggca cgaggctgcc tgagaggtat cacctcttct gggctcaaga tggacaacaa 60
 gaagcgctg gcctacgcca tcatccagtt cctgcatgac cagctccggc acgggggcct 120
 ctgcgtccgat gctcaggaga gcttggaagt cgccatccag tgcttgaga ctgcgtttgg 180
 ggtgacggta gaagacagtg accttgcgct ccctcagact ctgccggaga tatttgaagc 240
 ggctgccacg ggcaaggaga tgccgcagga cctgaggagc ccagcgcgaa ccccgcttc 300
 cgaggaggac tcagcagagg cagagcgctt caaaaccgaa ggaaacgagc agatgaaagt 360
 ggaaaacttt gaagctgccg tgcatttcta cggaaaagcc atcgagctca acccagccaa 420
 cgccgtctat ttctgcaaca gagcgcagc ctacagcaaa ctcggaact acgcaggcgc 480
 ggtgcaggac tgtgagcggg ccatctgcat tgacc 515

<210> 62
 <211> 417
 <212> DNA
 <213> Homo sapien

<400> 62
 gaattcggca cgagagccaa cctcctggaa gggcacgcgc gtgctgaggt gtacccttca 60
 gccaagccaa tgatcaaatt ccaatcacc tatgaggaac agttggaaca gcagagactg 120
 gcagtgcagc aggtggagga ggcccagcag ctgcgggaac accaggaagc tttgcaccag 180
 cagaggctgc aggggcactt actacggcag caggaacagc agcagcagca ggtggcaaga 240
 gagatggccc tgcagaggca ggctgagctt gaggagggcc ggccgcagca ccaggagcag 300
 ctccggcagc aagctcatta tgatgctatg gataatgata tcgttcaggg agcagaggac 360
 cagggaatcc aaggagagga aggagcctat gaaagagaca accagcacca agatgaa 417

<210> 63
 <211> 455
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(455)
 <223> n = A,T,C or G

<400> 63
 gaattcggca cgagggccgg gcttgggctg cgtggagaat actttttgcg atgcctactg 60


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gagactttga ttcgaagccc agttgggccc accaggtgga ggaggagggg gaggacgaca 120
aatgtgtcac cagcgagctc ctcaagggga tccctctggc cacaggtgac accagcccag 180
agccagantc actgccggga gctccactgc cgcctcccaa ggaggtcatc aacggaaaca 240
taaagacagt gacagagtac aagatagatg aggatggcaa gaagttcaag attgtccgca 300
ccttcaggat tgagaccccg aaggcttcaa aggtctgcgc aaggaggaa aactggaaga 360
agttcgggaa ctcaagagttt gacccccccg gacccaatgt ggccaccacc actgtcagtg 420
acgatgtctc tatgacgttc atcaccagca aagag 455

```

```

<210> 64
<211> 517
<212> DNA
<213> Homo sapien

```

```

<400> 64
gaattcggca cgagccatgt tggggtttgt gggtcgggtg gccgctgctc cggcctccgg 60
ggccttgccg agactcaccc ctccagcgtc gctgccccca gctcagctct tactgcgggc 120
cgctccgacg gcggtccatc ctgtcaggga ctatgcggcg caaacatctc ctccgcaaaa 180
agcaggcgcc gccaccgggc gcacgtgggc ggtcattggc gcagtgggtg acgtccagtt 240
tgatgaggga ctaccaccaa ttctaaatgc cctggaagtg caaggcaggg agaccagact 300
ggttttggag gtggcccagc atttgggtga gagcacagta aggactattg ctatggatgg 360
tacagaaggc ttggttagag gccagaaagt actggattct ggtgcaccaa tcaaaattcc 420
tgttggtcct gagacttttg gcagaatcat gaatgtcatt ggagaaccta ttgatgaaag 480
aggtcccatc aaaaccaaac aatttgctcc cattcat 517

```

```

<210> 65
<211> 519
<212> DNA
<213> Homo sapien

```

```

<400> 65
gaattcggca cgagtggagg tcggcgatat ggaagatggg cagctttccg actcggattc 60
cgacatgacg gtcgcaccca gcgacaggcc gctgcaattg ccaaaagtgc taggtggcga 120
cagtgcstat agggccttcc agaacacggc aactgcatgt gcaccagtat cacattatcg 180
agctgttgaa agtgtggatt caagtgaaga aagtttttct gattcagatg atgatagctg 240
tctttggaaa cgcaaacgac agaaatgttt taacctcct cccaaaccag agccttttca 300
gtttggccag agcagtcaga aaccacctgt tgctggagga aagaagatta acaacatatg 360
gggtgctgtg ctgcaggaac agaatcaaga tgcagtggcc actgaacttg gtatcttggg 420
aatggagggc actattgaca gaagcagaca atccgagacc tacaattatt tgcttgccaa 480
gaaacttagg aaggaatctc aagagcatte caaaagatc 519

```

```

<210> 66
<211> 517
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(517)
<223> n = A,T,C or G

```

```

<400> 66
gaattcggca cgagggcggc tgaggaaagc aggaggaggt ggcgggcggc ggaagatggc 60
tccttcacct accaaacgca aagaccgctc agatgagaag tccaaggatc gctcaaaaga 120
taaaggggcc accaaggagt cgagtgagaa ggatcgcggc cgggacaaaa cccgaaagag 180

```

gcgagcgct	tccagtggta	gcagcagtac	caggtctcgg	tccagctcga	cttccagctc	240
aggctccagc	accagcactg	gctcaagcag	tggctccagc	tcttcctcag	catccagcgc	300
ctcaggaagc	tccagcacct	cccgcagctc	cagctctagc	agctcttctg	gctctccaag	360
tccttctcgg	cgcanacacg	acaacaggag	gcgctcccgc	tccaaatcca	aaccacctaa	420
aagagatgaa	aaggagagga	aaaggcggag	cccctctcct	aagcccacca	aagtgcacat	480
tgggagactc	acccggaatg	tgacaaagga	tcacatc			517

<210> 67

<211> 517

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(517)

<223> n = A,T,C or G

<400> 67

gaattcggca	cgaggcgccg	tgacagcggt	gagtgttngc	ggcggcgacg	gcaaaccg	60
agctgccggc	cggcgcgcgg	gaggaggacg	cgggtgcggg	ctaggaaacg	gagctgcggg	120
cggaggtccc	atgttgggaa	gcggcgccgt	tcgtgcttgt	tagcgggaat	ccgggagccg	180
cggggtgagc	tggcgggggc	cgggccctaa	gtgaagatgg	aggccccgct	gcggcctgcc	240
gcggacatcc	tgaggcggaa	cccgcagcag	gactacgaac	tcgtccagag	ggcggcagc	300
ggcacctacg	gggacgtcta	taaggccaga	aatgtacaca	caggagagct	ggctgcagta	360
aaaatcatta	aattggagcc	tggagatgat	ttttctttga	ttcaacaaga	aatatttatg	420
gttaaagaat	gtaaacattg	taacatcggt	gcctactttg	ggagttatct	tagtcgggaa	480
aaactatgga	tttgtatgga	atactgtggt	ggcggat			517

<210> 68

<211> 516

<212> DNA

<213> Homo sapien

<400> 68

gaattcggca	cgaggtcggt	tcctgtctatt	ccggtttctc	cactccgtcc	cccgcggggtc	60
tgctctgtgt	gccatggacg	gcattgtccc	agatatagcc	gttggtagaa	agcgggggac	120
tgacgagctt	ttctctactt	gtgtcactaa	cggaccgttt	atcatgagca	gcaactcggc	180
ttctgcagca	aacggaaatg	acagcaagaa	gttcaaaggt	gacagccgaa	gtgcaggcgt	240
cccctctaga	gtgatccaca	tcgggaagct	ccccatcgac	gtcacggagg	gggaagtcat	300
ctccctgggg	ctgcccctttg	ggaagggtcac	caacctcctg	atgctgaagg	ggaaaaacca	360
ggccttcac	gagatgaaca	cggaggaggc	tgccaacacc	atgggtgaact	actacacctc	420
ggtgaccct	gtgctgcgcg	gccagcccat	ctacatccag	ttctccaacc	acaaggagct	480
gaagaccgac	agctctccca	accaggcgcg	ggccca			516

<210> 69

<211> 455

<212> DNA

<213> Homo sapien

<400> 69

gaattcggca	cgaggagcca	tagagcctct	gcctcgatgc	cgttttgccc	ccgctctttg	60
gacacgccga	cccggcgctc	cccaagggaat	gctgtcccaa	caagattccc	gtgaaagagc	120
acccgtgtcg	ccccctcccg	tggacttctg	tgccgccccg	tccacacctg	ttcttgggtg	180
catgtgggtt	ttcggttcct	ggcgggtccag	gacggggcgg	gggctcccct	cccctctcgt	240

```
<210> 70
<211> 569
<212> DNA
<213> Homo sapien
```

<400>	70									
gaattcggca	cgagcagaac	gcagctctgc	tctgctngag	gagggtgcaga	gcctccggga					60
ggaggctgag	aaacagcggy	tggcttcaga	gaacctgcgg	caggagctga	cctcacaggc					120
tgagcgtgcy	gaggagctgg	gccagaat	gaaggcgtgg	caggagaagt	tcttccagaa					180
agagcaggcc	ctctccaacc	tgcagctcga	gcacaccagc	acacaggccc	tggtgagtga					240
gctgctgcc	gctaagcacc	tctgccagca	gctgcaggcc	gagcaggccg	ctgccagaaa					300
acgccaccgt	gaggagctgg	agcagagcaa	gcaggccgct	gggggactgc	gggcagagct					360
gctgcggggc	cagcgggagc	ttggggagct	gattcctctg	cggcagaagg	tggcagagca					420
ggagcgaagc	gctcatgagc	tgcgtggcga	gaaggccagc	tatgcagagc	agctgagcat					480
gctgaagaag	gcgcgatggc	tgctggcaga	ggagaaccgg	gggctgggtg	agcggggcaa					540
cettggccgg	cagtttctgg	aagtggagt								569

<400>	71								
gaattcggca	cgagtggcga	cgccccctaa	gcggcggggcg	gtggaggcca	cgggggagaa				60
agtgtgcgc	tacgagacct	tcatcagtga	cgtgtctgcag	cgggacttgc	gaaaggtgct				120
ggaccatcga	gacaaggtat	atgagcagct	ggccaaatac	cttcaactga	gaaatgtcat				180
tgagcgactc	caggaagcta	agcactcgga	gttatatatg	caggtggatt	tgggctgtaa				240
cttcttcgtt	gacacagtg	tcccagatac	ttcacgcctc	tatgtggccc	tgggatatgg				300
ttttttcttg	gagttgacac	tggcagaagc	tctcaagttc	attgatcgta	agagctctct				360
cctcacagag	ctcagcaaca	gcttcaccaa	ggactccatg	aatatcaaag	cccatatcca				420
catgttgcta	gaggggccta	gagaactaca	aggcctgcag	aatttcccag	agaagcctca				480
ccattgactt	cttcccccca	tcctcagaca	ttaaagagcc	tgaatgccaa	aaaaaaaaaa				540
aaaaaaaaac	tcgag								555

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<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G
```

<400> 72
gaattcggca cgagggctgg tggagttggt agtgttctat ggcaacacct tctttgtggt 60
tctcattgtc atccttgtgc tgttgggtcat cgatgccgtg cgcgaaattc ggaagtatga 120
tgatgtgacg gaaaagggtga acctccagaa caatcccggg gccatggagc acttccacat 180
gaagctttttc cgtgcccgaga ggaatctcta cattgctggc ttttccttgc tgcgtgcctt 240
cctgcttaga cgcttgggtga ctctcatttc gcagcaggcc acgctgctgg cctccaatga 300
agcctttaaa aagcaggcgg agagtgtctag tgaggcggcc aagaagtaca tggaggagaa 360
tgaccagctc aagaaggag ctgctgttga cggaggcaag ttggatgtcg ggaatgctga 420
ggtgaagttg gaggaagaga acaggagcct gaaggctgac ctgcagaagc taaaggacga 480
gctggccagc actaagcaaa aactagagaa agctgaaaac caggttcttg ccatgcggaa 540
gcagtctgag ggcctcacca aggagta 567

<210> 73
<211> 254
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(254)
<223> n = A,T,C or G

<400> 73
gaattcggca cgagcctgga caaggagaga gtgcggntgc tgagagccga gccagcaat 60
cccgatcctc tgagtcgtga agaaggagg cagcgagggg gttggggttg gggcctgagg 120
caagcccccga ggctccgctc ttgccagagg gacaggagcc atggctcaga aaatggactg 180
tggtgcgggc ctctcggct tccaggetga ggcctccgta gaagacagcg ccttgcttat 240
gcagaccttg atgg 254

<210> 74
<211> 516
<212> DNA
<213> Homo sapien

<400> 74
gaattcggca cgagcagccc tcggctgagc cgcgcgcgac catgcccgcc gtggacaagc 60
tctgtctaga ggaggcgttg caggacagcc cccagactcg ctctttactg agcgtgtttg 120
aagaagatgc tggcaccctc acagactata ccaaccagct gctccaggca atgcagcgcg 180
tctatggagc ccagaatgag atgtgccttg ccacacaaca gctttctaag caactgctgg 240
catatgaaaa acagaacttt gctcttggca aaggtgatga agaagtaatt tcaacactcc 300
actatTTTTT caaagtgggtg gatgagctta atcttctcca tacagagctg gctaaacagt 360
tggcagacac aatggttcta cctatcatac aattccgaga aaaggatctc acagaagtaa 420
gcactttaaa ggatctatTT ggaactcgta gcaatgagca tgacctctca atggcaaaat 480
acagcaggct gcctaagaaa aaggagaatg agaagg 516

<210> 75
<211> 468
<212> DNA
<213> Homo sapien

<400> 75
gaattcggca cgagcaggga cgacgcccag aatgggagct gactgatatg gtggtgtggg 60
tgactggagc ctcgagtgga attggtgagg agctggctta ccagttgtct aaactaggag 120
tttctcttgt gctgtcagcc agaagagtgc atgagctgga aagggtgaaa agaagatgcc 180

tagagaatgg	caattttaaaa	gaaaaagata	tacttgtttt	gccccttgac	ctgaccgaca	240
ctggttccca	tgaagcggct	accaaagctg	ttctccagga	gtttggtaga	atcgacattc	300
tggtcaacaa	tggtggaatg	tcccagcgtt	ctctgtgcat	ggataaccagc	ttggatgtct	360
acagaaagct	aatagagctt	aactacttag	ggacggtgtc	cttgacaaaa	tgtgttctgc	420
ctcacatgat	cgagaggaag	caaggaaaga	ttgttacttg	tgaatagc		468

<210> 76

<211> 349

<212> DNA

<213> Homo sapien

<400> 76

gaattcggca	cgagctcgac	tcttagcttg	tgggggacgg	taaccgggac	ccggtgtctg	60
ctcctgtcgc	cttcgcctcc	taatccctag	ccactatgcg	tgagtgcac	tccatccacg	120
ttggccaggc	tggtgtccag	attggcaatg	cctgctggga	gctctactgc	ctggaacacg	180
gcatccagcc	cgatggccag	atgccaaagt	acaagaccat	tgggggagga	gatgactcct	240
tcaacacctt	cttcagttag	acgggcgctg	gcaagcacgt	gccccgggct	gtgtttgtag	300
acttggaacc	cacagtcatt	gatgaagttc	gcactggcac	ctaccgcca		349

<210> 77

<211> 469

<212> DNA

<213> Homo sapien

<400> 77

ataggcacat	acacatacac	agtctcagca	aggttataaa	gaacctgtc	aggtcactt	60
gcaacatggc	cttgctactt	ggattagctc	ctttaagcct	gaaaataact	ttcctggtca	120
tggaagaact	ggacgcac	tttaacttat	gaaatagaag	ttgaacttga	aaactctttt	180
taaaaaatcc	tggttttgca	ggacagctac	ataatgaatg	tatatattaa	gactgtagct	240
gaattgcaca	tgaaatcaga	ttgccaactt	cttgactttc	aatgttagac	atttatcctt	300
aagttgtgag	cgatatatgt	agcatgctgt	gaaatgtctg	ttatagctct	ttaattcatc	360
agtattaata	cagaattatc	atttgcgttt	cttggtactt	tttattcaat	gtaatcagaa	420
gctgtgatgt	tttgcctttg	tagtcctgtg	ctttggtact	gtaattttt		469

<210> 78

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 78

gcgctcggtt	tgagggctcg	gcgcgggggtt	tcctgttcct	tcttctgcgc	ggctgcagct	60
cgggactttc	gcctgaccca	gccccatgg	cttcagaaga	gctacagaaa	gatctagaag	120
aggtaaaggt	gttgcctgaa	aaggctacta	ggaaaagagt	acgtgatgcc	cttacagctg	180
aaaaatccaa	gattgagaca	gaaatcaaga	acaagatgca	acagaaatca	cagaagaaag	240
canaacttct	tgataatgaa	aaaccagctg	ctgtggttgc	tcccattaca	acgggctata	300
cggtgaaaat	cagtaattat	ggatgggatc	aagtcagata	agtttgtgaa	aatctacatt	360
accttaactg	gagttcatca	agttcccact	gagaatgtg			399

<210> 79

<211> 439
 <212> DNA
 <213> Homo sapien

<400> 79
 ccgagaagct gggtcttctgt ggtcttctgtac aggagatctc atttgggaca actaaggata 60
 aaatgctggt catcgagcag tgtaagaact ccagagctgt aaccattttt attagaggag 120
 gaaataagat gatcattgag gaggcgaaac gatcccttca cgatgctttg tgtgtcatcc 180
 ggaacctcat ccgcgataat cgtgtggtgt atggaggagg ggctgctgag atatcctgtg 240
 ccttggcagt tagccaagag gcggataagt gcccacctt agaacagtat gccatgagag 300
 cgtttgccga cgcactggag gtcaccccca tggccctctc tgaaaacagt ggcatgaatc 360
 ccatccagac tatgaccgaa gtccgagcca gacaggtgaa ggagatgaac cctgctcttg 420
 gcatcgactg tttgcacaa 439

<210> 80
 <211> 437
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(437)
 <223> n = A,T,C or G

<400> 80
 aattaacatc ttttttgttt aggcattgttc aattaatgct gtagctatca tagctntgct 60
 cttacctgaa gccttgtccc caccacacag gacagccttc ctctgaaga gaatgtcttt 120
 gtgtgtccga agttgagatg gcctgcccta ctgccaaga ggtgacagga aggctgggag 180
 cagctttgtt aaattgtgtt cagttctgtt acacagtgc ttgccctttg ttgggggtat 240
 gcatgtatga acacacatgc ttgtcggaac gctttctcgg cgtttgtccc ttggctctca 300
 tctcccccat tcctgtgcct actttgcctg agttcttcta cccccgcagt tgccagccac 360
 attgggagtc tgtttgttcc agtgggggtt agctgtcttt gtcgtggaga tcttggaact 420
 ttgcacatgt cactact 437

<210> 81
 <211> 472
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(472)
 <223> n = A,T,C or G

<400> 81
 atattttant aatgcagagc tatagtctca attgttactt tataaggttg ttttattaac 60
 aaacccaaat cctggatttt cctgtctttg ctgtattttg aaaaacacgt gttgactcca 120
 ttgttttaca ttagcaaaag tctgccatct gtgtctgctg tattataaac agataagcag 180
 cctacaagat aactgtatit ataaaccact cttcaacagc tggctccagt gctggtttta 240
 gaacaagaat gaagtcattt tggagtcttt catgtctaaa agatttaagt taaaaacaaa 300
 gtgttacttg gaaggttagc ttctatcatt ctggatagat tacagatata ataaccatgt 360
 tgactatggg ggagagacgc tgcattccag aaacgtctta acacttgagt gaatcttcaa 420
 aggaccctga cattaaatgc tgaggcttta atacacacat attttatccc aa 472

<210> 82
 <211> 448
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(448)
 <223> n = A,T,C or G

```
<400> 82
gttcagt gnt gccctcagag ctcttgctgt tagctggcag ctgacgctgc taggatagtt      60
agtttgaaa tggtaacttca taataaacta cacaaggaaa gtcagccacc gtgtcttatg      120
aggaattgga cctaataaat tttagtgtgc cttccaaacc tgagaatata tgcttttgga      180
agttaaaatt taaatggctt ttgccacata catagatctt catgatgtgt gagtgttaatt      240
ccatgtggat atcagttacc aaacattaca aaaaaatttt atggcccaa atgaccaacg      300
aaattgtttac aatagaatth atccaatttt gatcttttta tattcttcta ccacacctgg      360
aaacagacca atagacatth tgggggtttta taatgggcat ttgtataaag cattactctt      420
tttcaataaa ttgtttttta atttaaaa                                     448
```

<210> 83
 <211> 270
 <212> DNA
 <213> Homo sapien

```
<400> 83
cagtgtggtg gaattaatca ggcctcccaa atttagcagg tgctggggag gaccctaggg      60
agtgttttat gggggctagc tggtgaaaact gccctttcct ttctgttcta tgagtgtgat      120
ggtgtttgag aaaatgtggg gctatggttc aggcgcactt cacatgtgca aagatggaga      180
aagcactcac ctacacgttt aggcctcagaa tattgattga aacattttga atgatcaaaa      240
ataaaatggt atttttaaaag tttcaaaaaa                                     270
```

<210> 84
 <211> 359
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(359)
 <223> n = A,T,C or G

```
<400> 84
tccaaagtta gacaaaatgc caggaatggt cttctctgct aacccaaagg aattgaaagg      60
aaccactcat tcacttctag acgacaaaat gcaaaaaagg aggccaaaga cttttggaat      120
ggatatgaaa gcatacctga gatctatgat ccacatctg gaatctggaa tgaaatcttc      180
caagtccaag gatgtacttt ctgctgctga agtaatgcaa tggctcctaat ctctggaaaa      240
acttcttgcc aaccaaactg gtcaaaaatgt ctttgggaagt ttcctaaant ctgaattcag      300
tgaggagaat attgagttct ggctggcttg tgaanactat aagaaaacag agtctgac      359
```

<210> 85
 <211> 371
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(371)

<223> n = A,T,C or G

<400> 85

ctgcagcccg	ggggatccac	tagtccnttg	tggtggaatt	cagcctacag	ccgcctgggt	60
ctgtatccag	cgccaggtec	cgccagtcce	agctgcgcgc	gccccccagt	cccgcacccg	120
ttcggcccag	gctaagttag	ccctcaccat	gccgggtcaaa	ggaggcacca	agtgcacaa	180
atacctgctg	ttcggattta	acttcacatt	ctggcttgcc	gggattgctg	tccttgccat	240
tggactatgg	ctccgattcg	actctcagac	caagagcatc	ttcgagcaag	aaactaataa	300
taataattcc	agcttctaca	caggagtcta	tattctgata	cggagccggc	gccctcatga	360
tgcttggtgg	g					371

<210> 86

<211> 500

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(500)

<223> n = A,T,C or G

<400> 86

ctgcagcccg	ggggatccac	tagtttnota	tgatcattaa	actcattctc	agggttaaga	60
aaggaatgta	aattttctgcc	tcaatttgta	cttcacaaat	aagtttttga	agagtgcaga	120
tttttagtca	ggtcttaaaa	ataaactcac	aaatctggat	gcattttctaa	attctgcaaa	180
tgtttctctg	ggtgacttaa	caaggaataa	tcccacaata	tacctagcta	cctaatacat	240
ggagctgggg	ctcaaccac	tgtttttaag	gatttgcgct	aacttggggc	tgaggaaaaa	300
taagtagtnc	gaggaagtag	ttttttaaag	tgagcttata	gatanaaaca	gaatatcaac	360
ttaattatga	aattgttaga	acctgtttct	ttgtatctga	atctgattgc	aattactatt	420
gtactgatag	actccagcca	ttgcaagtct	cagatatctt	agctgtgtag	tgattcttga	480
aattcttttt	aagaaaaatt					500

<210> 87

<211> 550

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(550)

<223> n = A,T,C or G

<400> 87

ctgcagcccg	ggggatccac	tagtccantg	tggtggaatt	ccaggaactg	gaccaggunc	60
tggagcggat	ctccaccatg	cgccttcogg	atgagcgggg	ccctctggag	cacctctact	120
ccctgcacat	ccccaaactg	gacaagcatg	gcctgtacaa	cctcaaacag	tgcaagatgt	180
ctctgaacgg	gcagcgtggg	gagtgtgtgt	gtgtgaaccc	caacaccggg	aagctgatcc	240
agggagcccc	caccatccgg	ggggaccccc	agtgtcatct	cttctacaat	gagcagcagg	300
aggctcggcg	ggtgcacacc	cagcggatgc	agtagaccgc	agccagccgg	tgcttgccgc	360
ccctgcccc	cgcccctctc	caaacaccgg	cagaaaacgg	agagtgtctg	ggtgggtggg	420

gctggaggat	tttccagttc	tgacacacgt	atztatattt	ggaaagagac	cagcacccgag	480
ctcggcacct	ccccggcctc	tctcttccca	ngctgcagat	gccacacctg	ctccttcttg	540
ctttccccgg						550

<210> 88
 <211> 429
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(429)
 <223> n = A,T,C or G

<400> 88						
gggaccagac	tcgtctcagg	ccantttgcag	ccttctcagc	caaacgccga	ccaaggaaaa	60
ctcactacca	tgagaattgc	agtgatttgc	ttttgcctcc	taggcatcac	ctgtgccata	120
ccagttaaac	aggctgattc	tggaagtctt	gaggaaaagc	agctttacaa	caaataccca	180
gatgctgtgg	ccacatggct	aaaccctgac	ccatctcaga	agcagaatct	cctagcccca	240
cagaatgctg	tgtcctctga	agaaaccaat	gactttaaac	aagagaccct	tccaagtaag	300
tccaacnaaa	gccatgacca	catggatgat	atggatgatg	aagatgatga	tgaccatgtg	360
gacagccagg	actccattga	ctcgaaacnac	tctgatgatg	tanatgacac	tgatgattct	420
caccagtct						429

<210> 89
 <211> 477
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(477)
 <223> n = A,T,C or G

<400> 89						
ttttaattta	caccaagaac	ttotcaataa	aagaaaatca	tgaatgctcc	acaatttcaa	60
cataccacaa	gagaagttaa	tttcttaaca	ttgtgttcta	tgattatttg	taagaccttc	120
accaagttct	gatatctttt	aaagacatag	ttcaaaattg	cttttgaaaa	tctgtattct	180
tgaaaatatc	cttggtgtgt	attagggttt	taaataccag	ctaaaggatt	acctcactga	240
gtcatcaggt	accctcctat	tcagctcccc	aagatgatgt	gtttttgctt	accctaagag	300
aggntttctt	cttattttta	gataattcaa	gngcttagat	aaattatggt	ttctttaagt	360
gtttatggta	aactctttta	aagaaaattt	aatatgttat	agctgaatct	ttttggtaac	420
tttaaattct	tatcatagac	tctgtacata	tgttcaaatt	agctgcttgc	ctgatgt	477

<210> 90
 <211> 310
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(310)
 <223> n = A,T,C or G

<222> (1)...(519)

<223> n = A,T,C or G

<400> 93

ctgcagcccg	ggggatccac	tagtccagtg	tgggtggaatt	ctaaagaagt	aggtgctgca	60
cacaaatatg	taaagcaatt	gtaggaaatt	tgaaaggaaa	aaaagaaacc	gaagccagta	120
ttttaataat	tgctttttct	gtgtattttg	tattgggctg	ggggatagca	tcaaagggtg	180
aactttttga	gctttctatg	aaaaacccca	ggaccttctt	tctttggcca	tttctatgga	240
aatgcgatgt	cagatggatg	gtaatggtgc	cctccagtg	ctgtgagacc	tcattgcgca	300
ttgtctactg	gagcttttagt	cttctgagac	ggaggaaaac	tgctgaatac	tctggattca	360
tctatgtcta	caatgttgca	tttatgaaaa	actacactgn	gctaggcgca	ttctaggaca	420
tgaatatgac	cacaccctct	ttcaccgggt	gtttctgtag	caagttttca	tattcttttc	480
aaacaatggt	ttctctgcgt	taattattga	ggaaaaaaa			519

<210> 94

<211> 569

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(569)

<223> n = A,T,C or G

<400> 94

ctgcagcccg	ggggatccac	tagtccantg	tgggtggaatt	cgtctgcgag	ccaggattcc	60
cgatccagag	acaatggccc	cgatgggatg	gagcccgaag	gcgtcatcga	gagtaactgg	120
aatgagattg	ttgacagctt	tgatgacatg	aacctctcgg	agtccttctt	ccgtggcatc	180
tacgcctatg	gttttgagaa	gccctctgcc	atccagcagc	gagccattct	accttgtatc	240
aagggttatg	atgtgattgc	tcaagcccaa	tctgggactg	ggaaaacggc	cacatttgcc	300
atatcgattc	tgacgcagat	tgaattagat	ctnaaagcca	cccaggcctt	ggtcctagca	360
cccactcgag	aattggctca	gcagatacag	aagggtggtc	tggcactagg	agactacatg	420
ggcgccctct	gtcacgcctg	tatcgggggc	accaacgtgc	gtgctgaggt	gcagaaactg	480
cagatggaag	ctccccacat	catcgtaggt	acccctggcc	gtgtgtttga	tatgcttaac	540
cggagatacc	tgtcccccaa	atacatcaa				569

<210> 95

<211> 260

<212> DNA

<213> Homo sapien

<400> 95

gacaagctcc	tggctcttgag	atgtctttct	gttaaggaga	tgggcctttt	ggaggtaaag	60
gataaaatga	atgagttctg	tcattgattca	ctattctaga	acttgcatga	cctttactgt	120
gttagctctt	tgaatgttct	tgaaatttta	gactttcttt	gtaaacaaat	gatatgtcct	180
tatcattgta	taaaagctgt	tatgtgcaac	agtgtggaga	ttccttgtct	gatttaataa	240
aatacttaaa	cactgaaaaa					260

<210> 96

<211> 438

<212> DNA

<213> Homo sapien

<400> 96

```
<210> 97
<211> 471
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G
```

```
<210> 98
<211> 578
<212> DNA
<213> Homo sapien
```

```
<210> 99
<211> 416
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(416)
```

<223> n = A,T,C or G

<400> 99

caagaatgtg	cctaactggc	atanagatct	ggtacgagtg	tgtgaaaaca	tccccattgt	60
gntgngtggc	aacaaagtgg	atattaagga	caggaaagtg	aaggcgaaat	ccattgtctt	120
ccaccgaaag	aagaatcttc	agtactacga	catttctgcc	aaaagtaact	acaactttga	180
aaagcccttc	ctctggcttg	ctaggaagct	cattggagac	cctaacttgg	aatttggtgc	240
catgcctgct	ctcgccccac	cagaagttgt	catggaccca	gctttggcag	cacagtatga	300
gcacgactta	gagggttgctc	anacaactgc	tctcccgat	gaggatgatg	acctgtgaga	360
atgaagctgg	agcccanogn	cagaagtcta	gttttatang	cagctgtcct	gtgatg	416

<210> 100

<211> 441

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(441)

<223> n = A,T,C or G

<400> 100

agacaatgac	cccacggntc	ctccttatga	ctccattcaa	atctacggtt	atgaaggcag	60
gggctcagtg	gccgggtccc	tgagctccct	agagtcggcc	accacagatt	cagacttgga	120
ctatgattat	ctacagaact	ggggacctcg	ttttaagaaa	ctagcagatt	tgtatggttc	180
caaagacact	tttgatgacg	attcttaaca	ataacgatac	aaatttggcc	ttaagaactg	240
tgtctggcgt	tctcaagaat	ctanaagatg	tgtaaacagg	tattttttta	aatcaaggaa	300
aggctcattt	aaaacaggca	aagtttttaca	gagaggatac	atttaataaa	actgcgagga	360
catcaaagtg	gtaaataactg	tgaaatacct	tttctcacia	aaaggcaa	attgaagttg	420
tttatcaact	tcgctagaaa	a				441

<210> 101

<211> 521

<212> DNA

<213> Homo sapien

<400> 101

ccagcgccca	gagagacacc	agagaaccca	ccatggcccc	ctttgagccc	ctggcttctg	60
gcatcctgtt	gttgctgtgg	ctgatagccc	ccagcagggc	ctgcacctgt	gtcccacccc	120
accacagac	ggccttctgc	aattccgacc	tcgtcatcag	ggccaagtgc	gtggggacac	180
cagaagtcaa	ccagaccacc	ttataccagc	gttatgagat	caagatgacc	aagatgtata	240
aagggttcca	agccttaggg	gatgccgtg	acatccggtt	cgtctacacc	cccgccatgg	300
agagtgtctg	cggatacttc	cacaggctcc	acaaccgcag	cgaggagttt	ctcattgctg	360
gaaaactgca	ggatggactc	ttgcacatca	ctacctgcag	tttcgtggct	ccctggaaca	420
gcctgagctt	agctcagcgc	cggggcttca	ccaagacctc	cactgttggc	tgtgaggaat	480
gcacagtgtt	tccctgttta	tccatccctt	gcaaactgca	g		521

<210> 102

<211> 520

<212> DNA

<213> Homo sapien

<400> 102

gaagaaaaag	aaattctgat	acgggacaaa	aatgctcttc	aaaacatcat	tctttatcac	60
------------	------------	------------	------------	------------	------------	----

ctgacaccag	gagttttcat	tggaaaagga	tttgaacctg	gtgttactaa	catttttaaag	120
accacacaag	gaagcaaaat	ctttctgaaa	gaagtaaagt	atacatttct	ggtgaatgaa	180
ttgaaatcaa	aagaatctga	catcatgaca	acaaatggtg	taattcatgt	tgtagataaa	240
ctcctctatc	cagcagacac	acctgttgga	aatgatcaac	tgctggaaat	acttaataaa	300
ttaatcaaat	acatccaaat	taagtttggt	cgtggtagca	ccttcaaaga	aatccccgtg	360
actgtctata	gacccacact	aacaaaagtc	aaaattgaag	gtgaacctga	attcagactg	420
attaaagaag	gtgaacaat	aactgaagt	atccatggag	agccaattat	taaaaaatac	480
accaaaatca	ttgatggagt	gcctgtggaa	ataactgaaa			520

<210> 103
 <211> 479
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = A,T,C or G

ctgatttctca	ggctagaagt	gtcacttttc	ttatctgtac	ttccaaagca	ctttcgtata	60
tttttattat	ggcatttata	tatagttcat	ttatatatta	attttaattc	catgaacaat	120
caagtaccaa	gtataatgga	gaaggtgctc	atcctctgcc	ttccttgagc	ttctgggtga	180
tgccaggccc	aagtctttgt	ggcaccacgc	tccatgcttt	gaatactatg	tggctgaatg	240
aattttttaa	atctcaaagc	agttaaacag	caggaaagcc	cattaacttc	gtactgaaaa	300
agcaacatac	tgtgatgata	cgggatgaca	tcatttcagg	ttgggcatac	aaaaaagtaa	360
ggaagctaaa	ctaagactat	actcaccagg	ccatttagaa	gttttaataa	atgcctccac	420
tatttttttt	cttanacata	gcttttaagt	gggaaatgga	attagtaaat	gactattttt	479

<210> 104
 <211> 324
 <212> DNA
 <213> Homo sapien

tgaccatcca	tatccaatgt	tctcatttaa	acattaccca	gcattcattgt	ttataatcag	60
aaactctggt	ccttctgtct	ggtggcactt	agagtctttt	gtgccataat	gcagcagtat	120
ggaggaggga	ttttatggag	aaatggggat	agtcttcatg	accacaaata	aataaaggaa	180
aactaagctg	cattgtgggt	tttgaaaagg	ttattatact	tcttaacaat	tctttttttc	240
agggactttt	ctagctgtat	gactgttact	tgaccttctt	tgaaaagcat	tcccaaaaatg	300
ctctatttta	gatagattaa	catt				324

<210> 105
 <211> 541
 <212> DNA
 <213> Homo sapien

cttggttcca	gaacctgacg	accoggcgac	ggcgacgtct	cttttgacta	aaagacagt	60
tccagtgtct	cagcctagga	gtctacgggg	accgcctccc	gcgccgccac	catgccccac	120
ttctctggca	actggaaaat	catccgatcg	gaaaacttcg	aggaattgct	caaagtgtctg	180
ggggtgaatg	tgatgtgag	gaagattgct	gtggctgcag	cgtccaagcc	agcagtggag	240
atcaaacagg	agggagacac	tttctacatc	aaaacctcca	ccaccgtgcg	caccacagag	300
attaacttca	aggttgggga	ggagtttgag	gagcagactg	tggatgggag	gccctgtaag	360

```

agcctggtga aatgggagag tgagaataaa atggtctgtg agcagaagct cctgaagggg 420
gagggcccca agacctcgtg gaccagagaa ctgaccaacg atggggaact gatcctgacc 480
atgacggcgg atgacgttgt gtgcaccagg gtctacgtcc gagagtgagt ggccacaggt 540
a 541

```

```

<210> 106
<211> 391
<212> DNA
<213> Homo sapien

```

```

<400> 106
cagaagtctt ggactgcaac tacatacatg gaatatgaga ctcttaccct gggagatatg 60
attaggagaa gtggtggcca cagtcgaaaa atcccaaggc ccaaacctgc accactgact 120
gctgaaatac agcaaaagat ttgtcatttg ccaacatctt gggactggag aaatgttcat 180
ggtatcaatt ttgtcagtcg tgttcgaaac caagcatcct gtggcagctg ctactcattt 240
gcttctatgg gtatgctaga agcgagaatc cgtatactaa ccaacaattc tcagacccca 300
atcctaagcc ctcaggagggt tgtgtcttgt agccagtatg ctcaaggctg tgaaggcggc 360
ttcccatacc ttattgcagg aaagtacgcc c 391

```

```

<210> 107
<211> 462
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

```

```

<400> 107
cgtgacctca agatgngcca ctctgactgg aagagtggag agtactggat tgaccccaac 60
caaggctgca acctggatgc catcaaagtc ttctgcaaca tggagactgg tgagacctgc 120
gtgtacccca ctcagcccag tgtggcccag aagaactgggt acatcagcaa gaaccccaag 180
gacaagaggc atgtctgggt cggcgagagc atgaccgatg gattccagtt cgagtatggc 240
ggccagggct ccgacctgac cgatgtggcc atccagctga ccttcctgcg cctgatgtcc 300
accgaggcct ccgagaacat cacctaccac tgcaagaaca gcgtggccta catggaccag 360
cagactgggn acctcaataa ggccctgctc ctccagggct ccaacganat ngagatccgc 420
gccgagggca acagccgctt cacctacagc gtcactgtcg at 462

```

```

<210> 108
<211> 580
<212> DNA
<213> Homo sapien

```

```

<400> 108
atataccatt taatacattt acactttctt atttaagaag atattgaatg caaaataatt 60
gacatataga actttacaaa catatgtcca aggactctaa attgagactc ttccacatgt 120
acaatctcat catcctgaag cctataatga agaaaaagat ctagaaactg agttgtggag 180
ctgactctaa tcaaatgtga tgattggaat tagaccattt ggcctttgaa ctttcatagg 240
aaaaatgacc caacatttct tagcatgagc tacctcatct ctagaagctg ggatggactt 300
actattcttg tttatatatt agatactgaa aggtgctatg cttctgttat tattccaaga 360
ctggagatag gcagggctaa aaaggattaa ttatttttcc tttaatgatg gtgctaaaat 420
tcttctata aaattcctta aaaataaaga tggtttaatc actaccattg tgaaaacata 480
actgttagac ttcccgtttc tgaaagaaag agcatcgttc caatgcttgt tcaactgttc 540

```

tctgtcatatc tgtatctgga atgctttgta atacttgcac

580

<210> 109
 <211> 482
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(482)
 <223> n = A,T,C or G

<400> 109
 caggcgtgca gtttcccggc tctccgcgcg gccggggaag gtcagcgccg taatggcggtt 60
 cttggcgctcg ggaccctacc tgaccatca gcaaaagggtg ttgcggcttt ataagcgggc 120
 gctacgccac ctgcagtcgt ggtgcgtcca gagagacaaa taccgatact ttgcttggtt 180
 gatgagagcc cggtttgaag aacataagaa tgaaaaggat atggcgaagg ccaccagct 240
 gctgaaggag gccgaggaag aattctggta ccgtcagcat ccacagccat acatcttccc 300
 tgactctcct gggggcacct cctatgagag atacnattgc tacaagggtcc cagaatggtg 360
 cttagatgac tggcatcctt ctgagaaggc aatgtatcct gattactttg ccaagagaga 420
 acagtggaaag aaactgcgga gggaaagctg ggaacgagag gttaagcagc tgcaggagga 480
 aa 482

<210> 110
 <211> 286
 <212> DNA
 <213> Homo sapien

<400> 110
 aatcattctg cactcactgg gtgcatagca tggttagagg ggctagagat ggacagtcac 60
 caactggcgg atatagcggg acatatgac cttagccacc agggcacaag cttaccagta 120
 gacaatacag acagagcttt tggtagctg taactgagct atggaatagc ttctttgatg 180
 tacctctttg ccttaaattg ctttttagtt ctaagattgt agaattgatcc tttcaaattg 240
 taatcttttc taacagagat attttaatat acttgctttc ttaaaa 286

<210> 111
 <211> 465
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(465)
 <223> n = A,T,C or G

<400> 111
 agctactggt aagatttgac agattgtctt gtctttttcc agtatatata ggtatctata 60
 tatgtatata ctgtatatat ttatatatat ttattgtatt aaatatatac atatgtatat 120
 gtatatataa gtatgtgtat atatgtatat atttaataca attattaaat tgtattattg 180
 tattaaatgt atacatatat acacacatat atatacatat gcatatattt aacacagtta 240
 aaataacact aaatgtacca ttttgtttct ggctttttca gntaatgtta tgaagaattt 300
 ttotattttg ttaacttctt ccaaaaacat taaactgcat tatgttctga gagtagatgt 360
 accacaatta attctaccat ttctgtattg ttggccatgt aggttggttct taattttctc 420
 attattatga atgcatgtga caatcattgg ttttgcctaa agttg 465

<210> 112
 <211> 773
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(773)
 <223> n = A,T,C or G

```
<400> 112
tttttttttca gttttttgcag ttggtgtggt tagcagatac tttcttagaa taaaattgat      60
aactcaattt gattttttaa aagttgtttt agtgatttaa aatgttgata tggaaaaata      120
ttaaacatta tatagatagt aggcaaattc atacctaata tgcaatatta gcttgtagca      180
ttttaaatta aaatctaaat ttcttgatat attgccacat tagttgtaat gtttaataaa      240
tggtggttaa agatttattt gtaatttaat ctgtgtactt agttgccatg gacctctctt      300
ttagcttttc ataaataaat atcctttaat accttacctc ctcccttcaa ttgactgatg      360
ctgggatagg gtgttctttg gagcttatct tggtaaagaa ggtcagaagt gacatataac      420
cctattccct aggggccgag ggtgctttcc ttacagagtt gtattttaag tgagtcaact      480
cctgagccag catctactaa gagaaccttc aaacataatc ataggcattt aaataatttg      540
aaaaatcaaa ttccttgcac taaaaacatt tatccttang ttcatttctt tataanggtt      600
ctctttttta aaaaaaggat tgggtatttat gaaagggaaat ggtggctggg tttttcttaa      660
gcattatgna aagggggagt aacctatttt ttctttctcc ccanggaaaa tgggtgaagg      720
gaacctgggc aatgcccatg attgnaaaaa ttccactttc nttgaacaat ggg              773
```

<210> 113
 <211> 543
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(543)
 <223> n = A,T,C or G

```
<400> 113
gttttttctga tttgaaaaat tgttttataat attactataa gatgagatta acaatctttg      60
taaaaatcag attatgtttt gggcttaaaa aaaacctag tgttttctac tattagtgtg      120
ctcaaatgat ttgtgagtga tagtactcaa atgagaattg catttaattt gtacatagtt      180
aaatcgtctt gttttgaagc acaaagtcag gatgtttctc atcagaattt tctgtttgaa      240
tagggaaaag tggcattggt catgaggcat cattaaaaac ggaaagcaga ggaaaaattg      300
gaaagctaca gaaaaaagat tcacatgaaa aaccaagctg aagaaaaaag ctgcagaaca      360
gtttcgaatg cgacttaaaa aattaagcca agatgnaaat gaagctagaa agggagatct      420
cagaaagaag ccagccgagc ctgtcaaaca actggatgtc cagaaaaata ttcaggttcc      480
ccaggggaaa gcatgggtac tgggtttgan gcttggaaga nggagactgg aaggaaagaa      540
tga              543
```

<210> 114
 <211> 550
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(550)
 <223> n = A,T,C or G

```
<400> 114
ggaaagaggt aagcggtaaa ttacatagac tgctggagga agagtgttcc agtggagaga      60
aacagagcta gtgcaaaggc cctgaggtga gagcatgcct ggtgtgatcc ggggatggca      120
aggaggccag ggtggtggat gaggagttag caaggaggan agtacgagga taagaagcca      180
ncaaggaaaa atggcagtgg ggcggatcac ctanggggtct agtacgccat tgtgaagact      240
ttgccttttg ctccaantg gaatgggtac tcnttgaagg cttttaancc caggaanaaa      300
cattgattga tttanaagtt taaanggatc acntttgggt attgtggcca acaagacact      360
gcgggaagaa gcaagaaggg tagaaagcca gnaaaccaac tnaggaggct tttgcagtaa      420
tcctggntga nanacantgg tggctcnggt taaaaagttt tggaaaaaat taaaactggt      480
tgatggtttg tttcctgttc ttgggggcnt aggcattcca actccttacc gaaagggtta      540
ccccntttga                                     550
```

<210> 115
 <211> 550
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(550)
 <223> n = A,T,C or G

```
<400> 115
caatgtggca ottaacttan tgggtacaac tgtatcacat catgtgtgaa tcgtgagacc      60
actcaaatct ctctctggga aaacncggct gctccccga tggctggcag gtgttggaac      120
ctcggctctcc cgtccgtctc tggggcaagg tgggtttcct catgtatngc aagagtctat      180
cgtgcggtgc ttctctcttg gcatacagct cacagctctt tggcctatac agtgtggaaa      240
tttatnctcc ggtgctggag gtgttaatgg gaaagagctc ggttaaatac acttctcact      300
tggcccgtag gtgatgctct acatgactga attcntctct nacggggact gacattgtat      360
ctatacacta natccttoca ccanagtggc gttaaggacg gtgtctggga tggaanctga      420
cggtacangc cccanctctc tgaaatgagt ccananatga actacctgca tacctctcta      480
aatcactctg gtctggcatg ntctccgtgc cgaaacatat atatgtatgt ctctccncat      540
acgaaaaanaa                                     550
```

<210> 116
 <211> 463
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(463)
 <223> n = A,T,C or G

```
<400> 116
cacaatgtgg tactttactt agttggtaca actgtatcat atcatgtggg gaatcacgtg      60
tgacgtgact ccgcaactcc gcaccagact aactgacag taatnacagc cngcacncca      120
ggtggacaaa nattgacgca atgttgtgtc antgccaccg tgccacacca cctgtggagg      180
acgtcagttc tctcttcccc caaaacccag gaccctctnt atctcccgac cngaggtcct      240
nggttgtggt gactgagcnc aaaaccgagg tcgttccact gtacttgacg ctggagtcac      300
```

```

atccaganaa agcccggaag acatcaengc cttcgtgtgt cnetctcagc tctgcacaga 360
cggctaacgc aggatcattc angtcacaaa gctccacccc tcanaaactc tcnaacaagg 420
cagccgaaac acgtttccct gccctccgga gaatacanaa cag 463

```

```

<210> 117
<211> 503
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(503)
<223> n = A,T,C or G

```

```

<400> 117
nncactnatg tgctacgtta acttagttgt acaactcgat cctatccatg tggatgaattc 60
tctccagcag tacactgang atacanctta ttgttattga cgtgcgctgc gctcactacc 120
gncagccagg gaatgcgect caggaaccct ggtgcccacc ctggctggca tngccattgt 180
caaggaagag aaacgagntg ccattggagc cctcctactg ccatgagggc ctgaaacaaa 240
ctgtgntatg ctctgcgaag gtctgggtgt aaggtccgcg tggctcacta tggcacacca 300
ctcngggctg aagttgtggt cctgaaggta ctcancccag tgtggccggg acctggatac 360
gtgcacattg ccgtgtcgca aaaccagcat tgtatgtgca catgtagttt gttccactga 420
atgtcncctg gccctcagat ttcagggaga ttgactctca tctcnttgtc ctactaagag 480
agagcacctc acctgaatgt caa 503

```

```

<210> 118
<211> 560
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(560)
<223> n = A,T,C or G

```

```

<400> 118
tggggggnca ctaagtgcta cgttacttag ttgtacgact cgatcctatc atgtggtgaa 60
ttctgnagcn tgggtctcatg agcctctctg gtgcgctgtg tgtatnggta cggcgctctc 120
tatcgcttta tctcttctga ctgcacccgg ggccggcggc atcaccggcc aagaccctgc 180
acaatgaaga ctgcaggagc aggcgggtgg ccacactggc cctggacctg aagaccnaaa 240
ctggagcagg ctcgngccgg aggactgggc accgcctaca ggccacgtca cccacggtgg 300
ctggnanaac aatgaaaaca agaagaactt ctctacccaa gagagaagtt caaaaccncg 360
aactcactgt cgggaaattg actaaaactg cngaactgaa gaaaacaacn caaagccnnc 420
tnaagcanag aagngaactg agacgaacat catccnccna actaatgaaa agagagacgt 480
tccctgnaga gacnaagaga gagaaagagc cccagacngc cccggactaa gattctaata 540
agagcttggt gtgagagaag
560

```

```

<210> 119
<211> 638
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<222> (1)...(638)

<223> n = A,T,C or G

<400> 119

acaaaagtgc	tacgttactt	agctgtacga	ctcgtcatat	ccatgtggtg	aatcatacgc	60
tattttatat	acngtngatc	aacatgaagg	gttngtgtct	gatcccgcg	atcaaaacac	120
gtgttacttt	gactcccaa	acctactcta	gtaataccta	ctattgacca	gaaccttaca	180
ttacataaac	agttncata	ttctgtatat	atatgtatac	tgtattctta	ataagtaagc	240
taagaaatgt	tattgaaatc	ataaggaaaa	gaaatgtatt	atacactgta	tgtattgtct	300
gtantgtact	gtctgttaca	agatgatcgt	ctgatgaatg	atgcgctgca	ccccaaactat	360
gtattacaaa	caatcncttt	tcatttgtgtc	tgacttgctt	ctgaaatact	ccacacncta	420
tngctttata	tggctcctgg	gtattcagggt	tatntatgcc	taactgaaaa	tcccagaacc	480
tgaagatatg	tttctgtgat	cncattactg	ganaaagaac	gcccatacat	actcnccgng	540
tttaacggat	ccccaccta	cncgcatac	acagagtgtg	naatttgtnt	acacttntca	600
cgtanctagc	tttgaataac	gctcttcttt	ttcttccc			638

<210> 120

<211> 434

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(434)

<223> n = A,T,C or G

<400> 120

ngnnggggca	caaaagctgc	tatgtttaac	ttagcttggg	tacgactcgt	tcatatccat	60
gtgnttgant	caccgctcta	ctgccaaaga	tcattttggt	tctacgnctc	aanctgtgna	120
aangatgtgg	gttaggggan	tgaagatgca	aacncctagg	gtangggcat	ttanaactga	180
aaagganagg	aaganaagac	ctgcgaacgt	gggggataag	actanaagaa	agacgggaga	240
naatantgtc	tttgancctc	aaatggaaca	tnctccatcc	tatctgttan	aaancaccan	300
gtaaaatggg	atgtntgcac	naaagaataa	gttaaactaa	acnccggacn	gtgactanaa	360
aatgaangac	cacanatgaa	aaggcgatga	ctngcctgtt	tacctancct	gtanacctat	420
attttcnggg	ttat					434

<210> 121

<211> 631

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G

<400> 121

caaagcgcta	tgtaaatgag	cttgtacgac	togtcatatc	tttgtggtgta	tcataattctc	60
tctctctttc	aacaaactcc	ccagctccac	ccgggctcta	cctccgagac	cagganccaa	120
aacgancgaa	gatggctgct	ctgcgcgcca	cgccgcgcca	ctcccgtgc	ccccggcccc	180
gattccttgg	ataaaganaa	gaatcgcaag	aaaccatcaa	tgcactctc	cttctccggc	240
gctcgnctgt	ccggctccgg	gtcggatgct	gcaaagtgtg	ggatgccgag	ntgtgcgcgg	300
gcccagntgc	gcacggttac	acacaccact	ctggactgga	gaagaatcat	ttatantttct	360
gtgccgcacc	cgcgctcaaat	gcgcttgctg	aactcacgaa	agnagtcaat	ntgttctaac	420

gngctgaaca	cacgcagacc	ncacnaaagc	gccgatggga	ctgctgcogg	aacctggaga	480
ctctcaactc	caagaaccgc	gcaaccgggc	ggcctccgct	ccggcgntgg	gaactgtntc	540
ccccgaagt	tgttccggnt	taacgcgacc	cggttanctt	cgtnaaagg	ngggcctnaa	600
ttcggtgctt	tncnggcggg	gggtgaccgc	c			631

<210> 122
 <211> 678
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(678)
 <223> n = A,T,C or G

<400> 122						
caaagcggct	angttaatta	gctggtagca	ctcgtcatat	catgtggtgn	atccacacat	60
ggaatgaggg	tcccgtcac	tctggggctc	tgctgctctg	gtccatgtgc	cagatntaaa	120
tccagatgac	cagtctctc	ctccctgtct	gcacgggtgg	ganacgaatc	accatcactt	180
gncgggcaat	caganattan	aaatgattaa	cctgggtatca	gcagaaacca	gggaaaccct	240
aagctctgat	ctttgctgca	tcagttacaa	gtggggctct	tncgcttca	cggcagtgnt	300
ctggcacaga	ttcatctcac	atcncagctg	cagcctgaaa	aatttacct	tatactgtct	360
acggataaca	ataccctgna	cttcggcaag	gactanggtg	gaatnaaacn	aatgtggctg	420
cacatctgtc	ttctcttccc	gctctgataa	cagtnaaatc	tgaactgctc	tgttgtgtgc	480
tgctgatact	tctatccana	aaagccaagt	acatggaagt	gaatacgctc	ccaatcgggt	540
atccagaaat	gtccaaanag	gaacaggacg	nctacgctcg	cacncctgac	ctaaccannc	600
aatcnaaaac	caatctnccc	gcaatccctc	gggctgacc	ctccaaaact	ccngggaatt	660
taaggaaatc	cccccccc					678

<210> 123
 <211> 445
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(445)
 <223> n = A,T,C or G

<400> 123						
gaggggggng	caaaagcgct	acttaattag	ctgtacgact	cgatcatatca	tgtgggtggat	60
cagcatccag	atggcataat	cggtctaatgt	cctgggggttc	agatgtatgc	gatgtccggc	120
taatgtgaca	tcttgccanc	tagcttaagg	anggtggt	agaagacatt	gcagaaacag	180
gagctcggcc	cacangtttc	ccaaggtct	caccccatc	catctccagg	gaagctcgcc	240
cagtggcact	gaatggcctc	ctcagcggag	ggtttggaat	caggctgggc	aagaactgct	300
aatcttgccg	ggactggaac	cagctctccg	gccttctctg	gctccttggt	tctgggtggg	360
aaggggaagag	ggaaaagaaa	ggaaatctcc	nggcananga	ngggacaccc	canacaccga	420
agacacnccc	ccctcctgta	actgt				445

<210> 124
 <211> 641
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

<400> 124
 gagggggggg ncaaagcgct acgttaatta gctgtacgac tcgtcatatc atgtgggtgga 60
 tccactaca angttgtcac tatatattan atctatagtn gagtcngtnt tccccatccc 120
 tgtaaacgaa ttactattg ttggggtagt gtccctactt tcctgattaa ggatctgtgc 180
 tggggaacaa gcnttgcata ctttatatgt agttaanatt tattaacata tcctcatgan 240
 ctcatcaca ctgnanctct cctnaaaatn gtgtgctcct gttacattan aactaatctg 300
 aaataaagac tctcnaatgc tgtgcaacat anttactgtg tgaaggagca gtgtnaattg 360
 agtaccaatt tagcatcgat ttgaaacgca ccttatttga actgtgaata aacactttct 420
 gcgtatacta ctgcttacct ccaattcngt gatttaagat actcgtggta tagatacact 480
 gattgaagtc cgatatatgc aaaactcctt cataggattg acatgctgat ntnagtgngc 540
 nttcaatgtg gagtatactt acntaattgc taacgtataa agtattgaan gtnnaatagt 600
 cagcttcngt gnaaaatnng aaattagtat ggtncngttc c 641

<210> 125
 <211> 285
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 125
 agggngcac aaagcgctac gttaatnagc tgtacgaccg tccatatcag gtgggtggatc 60
 catatgtccg gtattctctg atgtcangct tattataata gtaccaacc ttcattctctg 120
 aaatgtctgg ttctggttcc ctattatata ccagcactga aaatattcgt atcttagnan 180
 caaaagcatt taaaaagagt taaaaattta ntcactacta tgcacttcaa ggggagaagc 240
 tncactgcnt ncttgagnct angcaagatg cnagcncctt ggaag 285

<210> 126
 <211> 282
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(282)
 <223> n = A,T,C or G

<400> 126
 agggntgac aaagcggcta cgtaaatnag ctggtacgac cgtcatatcn tgtgggtggat 60
 ccngaacang tagcctcata atcacaacat ccattagcca cagtaaaactg attctgtaac 120
 tccactggca atgctgattg gtaatggctg cataaaacca gtgtatcaat ttantttcgg 180
 ttttgagaca aaatctcata ttatacnctg acatctcnaa cttcgatata tgaccaaata 240
 cggnagaca ttattcaaan atatttacct tacanaaaaa aa 282

<210> 127
 <211> 634

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

```
<400> 127
acaaagcggc tacgttantic agctggtaac accgtccata tcatgtggtg gatcntgaaa      60
anctttgatc ggctgcgggtg gaaacgttgt cngggccggc aagaagagcc gctgtnacaa      120
tgggtgcatg agttcagccg aacgcangac ggttctcaca cccgtgctgc ggtggtgcca      180
tgtccgcacg ggacaatatc ctggggaccg gtactggtag taactatgat gcattntgct      240
gantgtgaat gatctcaact catgccagct gtcacattca tagaattctc gtaatatatc      300
ntcgaaaaat ggtaanatgc tgtgtctttt gccgtcctgt tctatgttta tatcagtcag      360
ctggttatgac attctatcag tggttggctg atccatctct gttacnactt tgactcgtct      420
cattgccgtt gctatagtcc tcaactattgc cagatcaaaa tactgatcac tactaattcc      480
nacaananac tctggctgga ccaactgccc gtcagtgtctg tgtcttgcta tcacatttaa      540
gctactatta ctgtgttgga atgcataatc tcacaacnaa gtgcgaaatg ngtttccgcc      600
ttgaatacnc cctactttgc cccataaaag gcggg                                     634
```

<210> 128
<211> 180
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A,T,C or G

```
<400> 128
caaagcgcta cgttaatnag ctgtacgacc gtccatngtc aggtgggtgga tccctgttat      60
gtcaagaaaa gtaaatcgtc tottcaataa ggccctttatt tgggacaggt ttatttcctg      120
atatnatntc ttttatactc ttttctctca gaaanaaaaa agtngtntnc tcttattgtc      180
```

<210> 129
<211> 567
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

```
<400> 129
acaaagcgct atgttaactt agctgtacga ccgtccatng tcaggtggtg gatcctcccg      60
tgtgctggat tcataatgga tctattttaga cagttgagaa taaattattc tattacaata      120
atagatgcta atatataat tatgctgttt ggatatctaa atatttgctc acatccttaa      180
tatattttta aaattctaac aatagtactg ttganataaa gttgagccat attganacnc      240
tcccanattg gtccatagaaa gttacaactg ttgtctctcc ttatgtcctg ttatccaccc      300
tgacgctgcc gctttatatt cttaatgant tggacggaca gtggtatccg atcgttttga      360
cgacgttaca ntactnacca tctatacgtc tacttaattg acagcagatt tcgtagcnct      420
```

cattaggatc	tgttccaacn	gttggcaaat	nacnccggan	gaagttccng	tagttgtcnn	480
ctccccctat	tgaaacttat	gacnactctt	cctttacnca	catatcgacc	ttcctgacaa	540
cncctttttn	aaagaactct	tcnccca				567

<210> 130
 <211> 557
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(557)
 <223> n = A,T,C or G

<400> 130						
agggnntcac	aaaagcgcta	cgttaatnag	ctgtacgact	cgtcatatca	tgtggtggat	60
cccgcggcgt	gcggaactgga	tgtcaaaactc	tgccctgcggc	gatgcgccga	tcggcgccccg	120
ggatacgtgg	caagcgcggg	cccggcgcca	gcccactct	cccancctgg	cgtggccacc	180
cggccaagca	gaatgggtcc	tgcagctgcn	gtctagcngt	ctgcaccaac	acgggtggtg	240
gtgcagcnaa	gtctccggaa	tcncaagggt	ctattnaatt	ctgtgggaaa	ttanatctca	300
actcaatagg	cctttccaaa	gaactattgc	atgatattca	acaagtaatt	tcttatttca	360
atacactccg	tatcagaatc	atgttctttc	tcgatctctt	ccatcctccg	aacagcctgc	420
antgactgtt	tcacctagac	aannaatata	tccttggtat	tgggactcag	cataactgtc	480
aaatatgcta	tcnactccna	tcnaagaaat	ccttccgaag	ctgtatttga	ttcattaatt	540
tatccacatt	actggat					557

<210> 131
 <211> 655
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(655)
 <223> n = A,T,C or G

<400> 131						
agggnngcac	aaagcgctat	gttactgagc	tgtacgnctc	gtccattgtc	ntgtggtgga	60
tcntcggatn	aggtctgata	tacttcctgt	gngatcnaga	tgnatctncg	tagntcccc	120
cgttggatgc	tgctcatnac	tgctgcattt	ccacgatcca	ccctgtnatg	gctatcctgc	180
tatacacaac	ngcatgatnn	gatatggaat	cctccacaat	ggaagtgttc	tgttatgacc	240
caccacctta	tatnccgccc	ctgtctgaaa	ctcaaaccct	ttgcctgtnt	cagancacga	300
tongttatgt	tactgatgaa	gaaatggaat	actcccaaaa	acagtgtctn	gccgcaaata	360
ctacttccng	caaactnact	gcgtctctta	atcctaactc	ctctccatan	aanctacagt	420
tactccgtga	agccntgaag	gaaatggan	agttatagga	aactntcatc	gttataagcc	480
anaatgcntg	attaaataaa	tcgtctttng	tgataacctc	atcttcaact	ngttataacct	540
atcgttactn	canaancctt	attgaanttg	aattgtnttg	aaactgccga	aaaaaacgtt	600
cttatgtttc	cgggaccttg	ggggatcaat	aatccaatag	cntactcttc	ncgcc	655

<210> 132
 <211> 566
 <212> DNA
 <213> Homo sapien

$\langle 223 \rangle \quad n = A, T, C \text{ or } G$

agggtnncac	aaagcgtat	gttacttagc	tgtacgtgtc	gtcattntca	tgtggtggat	60
tcgagcatca	cagctctacg	tgtgtcagct	ctcacgtctg	caccagacgc	tgaagcaaga	120
gtacagtgca	agtctccaca	agcctcccag	ccccatcgag	aaacatctcc	aaagccaaag	180
ggcgccnnaa	aaccacngtg	tacacctgcc	ccatccggg	agaaatgacc	agaacaagtc	240
gctgacctgc	tggtaagct	ctatccagca	ctccctggaa	tgggaaacat	ggcanccgaa	300
acactacana	cacnctcccg	tgctggatcg	acgtctctcc	tctatgcanc	tcacgtggac	360
aaacagttgc	acagggaact	ctctctgtcg	tgatgctgan	ggtctgccaa	cactacccaa	420
aaanctctcc	tgttcccggt	tataatgcga	aggcggcanc	ccnctcccg	gntctcgcg	480
tcacaagat	gntgcaontn	cccgtctatt	cttcagcac	ccanctggaa	ataagncn	540
ccatgncctg	ggccctgaaa	aaaaaa				566

<213> Homo sapien

<223> n = A, T, C or G

agctngggct	nagcgtataa	aacttaagct	tgggtnacgc	agctcgggat	ccactcagtc	60
cagtngtggg	tgggnaattc	ctngnagcca	ccctnacagc	cagtaagnag	atatngtagg	120
gtaaattgtt	aagggnaagt	cagcacttac	attaaagtaa	aattgggctc	acaaaccccg	180
nacacagtna	gcattttgtt	gccaatctt	gggttgggaa	tgggtgaaca	aacattgctg	240
ggaagccaag	tngctnaaca	ttgccttggg	ttcaaggggg	natgggnaaa	gtcaccogtt	300
aaggggatgg	gcaattgcc	gtgggaaacc	caccgcttgc	ttgaaggctc	tgggacttgc	360
atccttacc	cccaaactcc	gtccaacttg	gacaaagccc	ttggccgcct	tgccctctcc	420
ggaatgtctt	acaaaaattg	ggtgggttat	tgggttactg	gttccttggt	gggcccgaa	480
ttgggaaaaa	cttgggttgt	tctcaaaacc	cgggttattg	ggttgggtca	ccttttggct	540
cccagnttca	aacggtttaca	aacggggaaa	gtnaaaaaat	ttgttcgaaa	aattgccacc	600
cattgnaaaa	gctttttggaa	nttgaaaaac	tcttccttgg	gggggacaaa	ttgtttgggg	660
gctttccaat	tgnctcaaaa	aattgttgtt	ccttggtcaaa	agggatgttt	nccgttccgt	720
ggggccaac	cgttttgctt	gggttgaaca	gccaaaaaaa	tttgnaancc	ccacccaant	780
tggggaaaqc	caagcctttg	gggttctact	gcttcc			816

<213> Homo sapien

<223> n = A, T, C or G

<400> 134

```

tttgnangag aggggtcacct gggcagccct gacttttgtc ccctggcaaa gggaccttca      60
gtgaccttgg ccctaggaga gcctctgagc acgtcagcca tgtcgaaccg ctccaggaagg      120
gcagcaagaa tttggcttct gacctctgcc tctcctactc gccatctgca ctgggtgtgg      180
ttgtgccccat tttacagatg aggaggctgg ggcacgcacc agctgaatgc cttgtcccag      240
gtactgctga agcagagctg gcagttgaac cccgtgtcct ggttgtcgtc ggggggtgggc      300
tgcaccttga cttgtgaggc cagnagcaag gnttgcacgt gacttcgtga ccgtcaccca      360
gctctgcagc acatcccgtg acccanctca tccaggccgn atgcaaacct gttgccaggc      420
ganaaaacca agtcaccgca canctgtggg t                                451

```

<210> 135

<211> 658

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(658)

<223> n = A,T,C or G

<400> 135

```

gtgggtatctg ccttcccagg aggcaggagt gggggcccca actgatgagc tcatgggtgca      60
ctcttagctt ttaagacttg tcatacaggg tgcaataaaa caaaatgtgc cactcaaaat      120
gtactttttt ggtatatatt gatcttctgt ttaagagggg ctacaattca gagaggctgc      180
agacacagaa atagccctga aaagctttct tctctggcag agatttgcaa gtgctgagga      240
aatacacgtt agtgaagtga acagaggaga aaagcatttc tctgaggcac accccacccc      300
caccttatct gcctaattgg atcaaggaaa gattaactcc caggaaaaac agactgagat      360
cctaattgct taaaggctct actgagaaac ttctccatag gccactgtct atcttcctga      420
gggcancttg ggggagcccc tgagagactc acatcttctg tggggacagc cttggctcac      480
caagcatacc tctctctctt cccattacc tgaaaccac ctccnaaaaa cccagcccc      540
tattctctct gttagctcag gatgtgaaga aatcttcctc attgggcctc ttggagctca      600
tatttgctgc tcntgtnttg tatatnaatt attgcattta tggtaatatt cctttgcc      658

```

<210> 136

<211> 478

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(478)

<223> n = A,T,C or G

<400> 136

```

gaagtctcgc gagtataaga acagtaacca gctccgggag taccagctgg aagggatgaa      60
ctggcttctt ttttaactgg ataacagaaa aaactgtatt ttggctgatg agatgggcct      120
agggaaaacc atccagtcca tcacattcct ttcagaaata tttctgagag gaatccacgg      180
cccttttctc attatcgccc ctctctccac catcactaac tgggagcggg agttccggac      240
atggacagag atgaatgcca ttgtgtacca cggcagccag atcagcaggc agatgatcca      300
gcagtatgaa atggtgtaca gagacgcccc ggggaaccct ttcaggagtc ttcaagttcc      360
acgtcgtcat cacaacnttt gaatgatcct agcagactgc ccagagttga agaagaattc      420
actggaactg tgtggataat tggatgaaac cccccagact ggaagaatan ggaactgc      478

```

<210> 137

<211> 612

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(612)

<223> n = A,T,C or G

<400> 137

gcaggggctc	ttgcaaatta	acacaaaata	ataattaaaa	atgaaacgaa	attgaggata	60
ttcttagaaa	gggtgaagga	catgaaatac	attactatct	gggatttcaa	cctttccaaa	120
ggtcaataaa	tccccaata	aaatgtaaat	ccaaggctac	ctgagaattc	catttctgtt	180
gcatctttgt	tcatgatgag	catatgtctt	ttcattttga	ggacttttta	aaagagaaga	240
gtgacacaca	atgcaacatg	gacaaggaat	gaaaattgct	ttagacactg	cactttgaac	300
tcctaaacct	gggaggtgcc	agggctctgac	actgtatatt	tcttcctttg	atctgattct	360
tccaaacagg	atccatgtac	tggcaaattt	ccctagtgtt	ccctggtaag	catcaaagta	420
aaccactggt	tggcctcggt	atttctacat	tggctttctc	cattgnnttt	atacataaaa	480
aaaanaaaaa	gaaagaaaac	tcactgggca	ttttacatgg	ggtttccata	ttggtcctta	540
atcattcagt	ttgaaagtaa	atcaaagagg	aatgaanagt	taaagngctt	tgaaattggg	600
gtgaaaactt	ca					612

<210> 138

<211> 478

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(478)

<223> n = A,T,C or G

<400> 138

gcaggggctc	ttgcaaatta	acacaaaata	ataattaaaa	atgaaacgaa	attgaggata	60
ttcttagaaa	gggtgaagga	catgaaatac	attactatct	gggatttcaa	cctttccaaa	120
ggtcaataaa	tccccaata	aaatgtaaat	ccaaggctac	ctgagaattc	catttctgtt	180
gcatctttgt	tcatgatgag	catatgtctt	ttcattttga	ggacttttta	aaagagaaga	240
gtgacacaca	atgcaacatg	gacaaggaat	gaaaattgct	ttagacactg	cactttgaac	300
atacaaacct	gggaggtgcc	agggctctgac	actgtatatt	tcttcctttg	atctgattct	360
tccaaacagg	atccatgtac	tggcaaattt	ccctagtgtt	ccctggtaag	catcaaagta	420
aaccactggn	tggcctcggt	atttctacat	tggctttctc	cattgggtttt	atacataa	478

<210> 139

<211> 597

<212> DNA

<213> Homo sapien

<400> 139

gttattttggt	agtttttagag	atgaggaact	aaggaccag	ttgctcagt	tttcctagct	60
agtgaataga	gactagacac	caagtgttct	acgtgcagac	tttatactgc	tcagcctggc	120
acacaaaatg	gcaatggcat	agtccccaga	ctgtgggtccc	aactgtctct	ttcctaacag	180
ctccccaggc	accacactt	ttctgcctct	ttttcaatct	gtacccttga	ccctcctcct	240
ttttctgctt	tgtcagactc	cttaaggcac	ttcataaatt	aaccatttcc	agggatttcc	300
cctcacacat	gagttattcc	agtggacagg	gcagcctcat	gggtgcctgt	ggagggtgaa	360
gggtctgcct	ggccgtaggt	gtgatcacac	actcccgttg	taaccctgc	ctcctgtgac	420

acttgctgcc	ccacgattta	gctgctttgt	gttccgtgcc	tcctgtttgc	tggtgaactc	480
ctgagttggg	gggcgtcatt	ccctccaactg	tagttcttcc	gcgatgctga	atccaccac	540
ggtcagcacc	actcggaaat	acttcacagt	cctgtagagg	aagacaggtc	caggttt	597

<210> 140

<211> 368

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(368)

<223> n = A,T,C or G

<400> 140

tttacatcta	gactccacag	acagaaacgt	ttcattttta	ttgagttaat	tttgaaatat	60
atgaatccct	gacccattgt	tatcactagc	tgttactcta	tcaggacagt	tgctgaagtt	120
ttttgtcact	aaatttaaaa	atcaactatc	aggttgtccc	ttggatgacc	tgagatttct	180
agagacaaaa	gaaatctatt	cttcctgatt	gaagaaagag	tctgagattt	tttttaaacc	240
actgatttgg	ggatcagggt	gtagccagtg	tctcaaactc	tcccctgtcc	cttttttgtt	300
ttgctcaagg	agtgggctnt	gaggntctca	gaattggggg	ngttactggg	ttatttttga	360
ttaggggg						368

<210> 141

<211> 674

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(674)

<223> n = A,T,C or G

<400> 141

aatgtcaatc	tttgctcggg	cagtgaggat	gtcgccctgtt	gagggaaaaa	tagtagctgt	60
tgccatattc	ctttaactcc	cccccccgcc	cccccgcaat	atgtcccctg	aataaacttt	120
gtgggtagtt	tttcttcatt	cccagaactg	ttatgaggta	agttcagaaa	ttgccagctt	180
cctgatgctc	tatgctttga	acacacaaaa	taatcaaagg	tgctctttag	taggatcctt	240
tccctatcaa	aataacagta	acacccaatc	tgaggcctca	agcccactcc	ttgagcaaaa	300
caaaaaaggg	acaggggaga	gtttgagaca	ctggctacac	cctgatcccc	aatcagtggt	360
tttaaaaaaa	atctcagact	ctttcttcaa	tcaggaagaa	tagatttctt	ttgtctctag	420
aatctcaggt	tcacccaagg	gacaacctga	tagttgattt	ttaaatttag	tgacaaaaaa	480
actttcagca	actgtcctga	taggagtaac	caggctagnt	ggataaccaa	atggggtnca	540
agggggaatn	tcataatatt	ttcaaaaaat	taaaccttca	attaaaaaaa	tggaataacc	600
ggttttctntg	gtcctgggtg	ggaggttctt	aagnatggta	aaaaaaggaa	atttccccac	660
ccaacnacct	tggg					674

<210> 142

<211> 669

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(669)

<223> n = A,T,C or G

<400> 142

gttggaact	tantcctcaa	tgcaatagtg	ttgagatgtg	ggacctttaa	gtgataatta	60
gatcatgagg	gatttgcctc	attcattaat	tattgctatt	atctcaggtg	agttagttat	120
cggagattga	aatcctgata	aaaagttgag	tttgttctct	ctgtctctct	ctctctctcc	180
actctagaat	tgtaaaaaac	taatctctat	tctgcataaa	ttacccagtc	tcagggtattc	240
cattatatta	gcaggaaatg	gactaagaca	ctactttata	aaattttgca	gtttccaatg	300
ttcagctttt	ccttgatccg	gcttcatcta	catttttctt	tgcttggttac	tgatggtgaa	360
attttctctg	tgtctttcat	ttatggctta	cactatcaca	tgctctctat	taattcatgc	420
cttctatttc	cttctgttgt	ttttggaagc	atctcttttc	atgggctcat	tttagctctg	480
taagacatat	cgaaaactca	cttgattcct	cctgcattga	tagagctctg	ctggggaagt	540
ctccttctgc	atgctacgcc	ttcccaccaa	agacaaggct	ttgcttattt	gcncattctg	600
tttaacgtct	gccaaatatg	nggtcttgac	ncataagaaa	actgggttga	nccgcaaaan	660
aaaattttg						669

<210> 143

<211> 501

<212> DNA

<213> Homo sapien

<400> 143

agaccttatt	tggtaatctg	ctgtcttcca	gtgtctctgc	attagatacc	attactacag	60
tagcacttgg	atctctcaca	tctattccag	aaaatgtgtc	tactcatggt	tctcagattt	120
ttaatatgat	actaaaagaa	caatcattag	cagcagaaag	taaaactgta	ctacaggaat	180
tgattaatgt	actcaagact	gatcttctaa	gttcaactgga	aatgatttta	tccccaaactg	240
tggtgtctat	actgaaaatc	aatagtcaac	taaagcatat	tttcaagact	tcattgacag	300
tggccgataa	gatagaagat	caaaaaaagg	aactagatgg	ctttctcagt	atactgtgta	360
acaatctaca	tgaactacaa	gaaaatccat	ttgttccttg	gttgagtcac	aaaagcaatg	420
tggaaacctta	actgaagacc	tgaagacaat	aaagcagacc	cattcccagg	aactttgcaa	480
gttaatgaat	ctttggacag	a				501

<210> 144

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 144

gatattctcag	cacctgactt	acacatctta	catcctcaag	caaactcccc	agggcacatt	60
tttagttggc	cagccatcac	cccagacttc	tggaaaacaa	ctcaccactg	ggtcagtggt	120
ccaaggaaca	ctgggagtca	gcacatcttc	tgcacaagga	caacaaacgc	taaaagtcac	180
ctctggacag	aaaaccacat	tgtttacaca	ggcagcccat	ggaggacagg	catctctaata	240
gaaaatatcc	gatagcacgt	tgaagactgt	gccagccacc	tcacagctct	cgaagcctgg	300
aaccacaatg	ctgagagtag	caggaggggg	tatcacaact	gccacttccc	ctgccgtggc	360
cctctcagca	aacggtcctt	gccaacagtc	tgaaggaatg	gctnccgtgt	cttcatctac	420
ggncaaagttc	tgtaacgaaa	acttctgggc	agcaacaaag	tgtgtgtgan	ccaagccacc	480
cgtgggggaac	cttgcaagg	n				501

<210> 145
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

```
<400> 145
ggaatccgag cccggtaccc cctctccgag cgcacgagc tggcccttct catgcagatg      60
acggccgagg agtctgcca cagcccagtg gacacaacac caaagcacc ctcccagttct      120
acagtgtgtc agaagggaac gcccaactct gctcaaaaa ccaaagataa agtgaacaag      180
agaaacgagc ttggagagac ccgcctgcac cgagccgcca tccgcgggga cggccggcgc      240
atcaaagagc tcatcagcga gggggcagac gtcaacgtca aggacttcgc aggctggacg      300
gcgctgcacg aggcctgtaa ccggggctac tacgacgtcg cgaagcaact gctggctgca      360
ggtgcggagg tgaacacca gggcctagat gacgacagc cttttgcacg acgcttgcca      420
acaacgggca ctacaaggtg gtgaaactgc ttgttgcggt acnganggaa cccgnacaaa      480
acaacaggaa aagcgaagac c                                     501
```

<210> 146
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

```
<400> 146
ggcccgagaca cggacaggat tgacagattg atagctcttt ctcgattccg tgggtggtgg      60
tgcatggccg ttcttagttg gtggagcgat ttgtctggtt aattccgata acgaacgaga      120
ctctggcatg ctaactagtt acgcgacccc cgagcggctg gcgtccccc acttcttaga      180
gggacaagtg gcgttcagcc acccgagatt gagcaataac aggtctgtga tgcccttaga      240
tgtccggggc tgacagccg ctacactgac tggctcagcg tgtgcctacc ctacgccggc      300
aggcgcgggg aaccggttga accccattcg tgatggggat cggggattgc aattattccc      360
catgaacgan gaattcccag taagtgcggg tcataagctt attccgcact tacctgggga      420
gaagcctttt ggtcttccg ggacnaaaac agctttgttg ctgaacgcng gcagaccg      480
tcgcgcgcgtc cgggtggttac c                                     501
```

<210> 147
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

```
<400> 147
cagcgccgccc gcccgcccc tccagcttcc cggaccatgg ccaacctgga gcgcaccttc      60
```

atcgccatca	agccggacgg	cgtgcagcgc	ggcctgggtg	gcgagatcat	caagcgcttc	120
gagcagaagg	gattccgcct	cgtggccatg	aagttcctcc	gggcctctga	agaacacctg	180
aagcagcact	acattgacct	gaaagaccga	ccattcttcc	ctgggctggt	gaagtacatg	240
aactcagggc	cggttgnggc	catggtctgg	gaggggctga	acgtggtgaa	gacaggccga	300
gtgatgcttg	gggagaccaa	tccagcagat	tcaaagccag	gcaccattcg	tggggacttc	360
tgcattcagg	ttggcaggaa	catcattcat	ggcagtgatt	cagtaaaaag	tgctgaaaaa	420
gaaatcagcc	tatggtttaa	gcctgaagaa	ctggttgact	acaagtcttt	ggctcatgac	480
tgggtctatn	aataagaagg	g				501

<210> 148

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 148

actcttagct	tgtcggggac	ggtaaccggg	acccgggtgtc	tgtcctgtgc	gccttcgcct	60
cctaatacct	agccactatg	cgtgagtga	tctccatcca	cggtggccag	gctgggtgtcc	120
agattggcaa	tgcctgctgg	gagctctact	gcctggaaca	cggcatccag	cccgatggcc	180
agatgccaa	tgacaagacc	attgggggag	gagatgactc	cttcaacacc	ttcttcagt	240
agacggggcg	tggcaagcac	gtgccccggg	ctgtgtttgt	agacttggaa	cccacagtca	300
ttgatgaagt	tcgactggc	acctaccgcc	agctcttcca	ccctgagcag	ctcatcacag	360
gcaaggaaga	tgctgccaat	aactatgccc	gagggcacta	caccattggc	aaggagatca	420
ttgaccttgt	gttggaccga	attcgcaagc	tggctgacag	tgcaccggtc	ttcagggctt	480
cttggttttn	cacagctttg	g				501

<210> 149

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 149

cgccccgggca	ggaatagaag	atgaacaaac	ccataacacc	atcaacatat	gtgcgctgcc	60
tcaatgttgg	actaattagg	aagctgtcag	attttattga	tctcaagaa	ggatggaaga	120
agttagctgt	agctattaaa	aaaccatctg	gtgatgatag	atacaatcaa	gtttcacata	180
aggagatttg	aagcattctt	caaactggaa	aaagtcccac	ttcttgaata	ctgtttgact	240
gggggcacca	caaattggac	agttgggtgat	ctgtgtggatc	ttttgatcca	aaatgaattt	300
ttgctcctgc	gagcttttg	ctcccagatg	ctgttcccaa	actgctaata	cactaccttc	360
taaagaagct	ataacagttc	agcaaaaaaca	gatgcctttc	tgtgacaaag	acaggacatt	420
gatgacacct	gtgcanaatc	ttgaacaaag	ctatatgcc	cctgactcct	caagtccana	480
aaataaaagt	ttaaaaagtta	g				501

<210> 150

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 150

cagcacagga	tactgatatt	ctgtcagctg	aaaagcatgc	ttgatatagt	agagcatgat	60
ctcctcaaac	ctcacttgcc	ctctgtcact	tatttgagat	tagatggcag	catacctcct	120
ggtcagaggc	attccattgt	ttcccggttt	aataatgac	catctataga	cgttctgtta	180
cttaccactc	acgttgggtg	cctgggactt	aatttgacag	gcgctgacac	agtagtattt	240
gtggagcatg	actggaantc	tatgcgagat	ctacaagcca	tggaaccggg	ccatcgcat	300
gggcagaaac	gtgtgggtta	cgtatccgat	tgataaccag	aggaacattg	gaagaaaaaa	360
taatgggggt	gcagaaaatt	caagatgaac	catagcgaat	ctgttattag	ccaagagaat	420
tcttagtttg	canacatggg	ggactgatca	gctttcttga	atctgtttac	tcttgataa	480
gggatggcaa	aagcagaaaa	a				501

<210> 151

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 151

atggaggggt	gtgtgtctaa	cctaattggc	tgcaacctgg	cctacagccg	gaagctggaa	60
gagttgaagg	agagtattct	ggccgataaa	tncctgnnta	ctacaactga	ccaggacagc	120
agaactgcat	tgcaactggc	atgctcagct	ggacatacag	aaattgttga	atttttgttg	180
caacttgagg	tgccagttaa	tgataaaagc	gatgcagggt	gggtctcctct	tcatattgcg	240
gcttctgctg	gccgggatga	gattgtaaaa	gcocttctgg	gaaaagggtg	tcaagtgaat	300
gctgtcaatc	aaaatggctg	tactccctta	cattatgcag	cttcgaaaaa	caggcatgag	360
atcgctgtca	tgttactgga	aggcggggct	aatccagatg	ctaaggacca	ttatgaggct	420
acagcaatgc	accgggcagc	agccaagggt	aacttgaaga	tgattcatat	ccttctgtac	480
tacaaagcat	ccacaaacat	c				501

<210> 152

<211> 501

<212> DNA

<213> Homo sapien

<400> 152

gcccgcggaa	gccgcgccag	aactgtactc	tccgagaggt	cgttttcccg	tccccgagag	60
caagtttatt	tacaaatgtt	ggagtaataa	agaaggcaga	acaaaatgag	ctgggctttg	120
gaagaatgga	aagaaggagt	gcctacaaga	gctcttcaga	aaattcaaga	gcttgaagga	180
cagcttgaca	aactgaagaa	ggaaaaagcag	caaaggcagt	ttcagcttga	cagtctcgag	240
gctgcgctgc	agaagcaaaa	acagaagggt	gaaaatgaaa	aaaccgaggg	tacaaacctg	300
aaaagggaga	atcaaagatt	gatggaaata	tgtgaaagtc	tgagagaaac	taagcagaag	360
atttctcatg	aacttcaagt	caaggagtca	caagtgaatt	tccaggaagg	acaactgaat	420
tcaggcaaaa	aacaaataga	aaaactggaa	caggaactta	aaagtgtaaa	tctgacttga	480
aagaagcaac	aactggcatc	t				501

<210> 153
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 153
 agagagagag agagagagag gagcgagaga gtgtgagcga gaaagaataa aaggaaagaa 60
 gatttttctct atgtatataa agatggccac gtttagcaaac ggacaggctg acaacgcaag 120
 cctcagtacc aacgggctcg gcagcagccc gggcagtgcc gggcacatga acgattaag 180
 ccacagcccg gggaacccgt cgaccattcc catgaaggac cacgatgcca tcaagctgtt 240
 cattgggcag atcccccgca cctggatgag aaggacctca agcccctctt cgaggagttt 300
 ggcaaaatct acgagcttac ggttctgaag gacaggttca caggcatgca caaaggctgc 360
 gccttcctca cctactgcga gcgtgagtcg gcgctgaagg cccagagcgc gctgcacgag 420
 cagaagactc tgcccgggat gaacccggcc cgatccnagg tgaagccttg cggacagcga 480
 gaaccgagga gatagaaact c 501

<210> 154
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 154
 ttccttctctg tgtgaggccg gctgagggca cttgctcttg ctgtttctgc ccctgggtta 60
 acattcaaga tggtagatgc tgaagccttt tctcgctcctt tgagtcggaa tgaagtgttt 120
 ggtttaattt tccgtttgac aatatttggt gcagtacat actttactat caaatggatg 180
 gtagatgcaa ttgatccaac cagaaagcaa aaagtagaag ctacagaaaca ggcagaaaaa 240
 ctaatgaagc aaattgggag tgaaaaatgt gaagctctca gaatatgaaa tgagtattgc 300
 tgctcatctt gtagaccctc ttaatatgca tgttacttgg agtgatatag caggtttaga 360
 tgatgtcatt acggatctga aagacacagt catcttacct atcaaaaaga aacatttgtt 420
 tgagaattcc aggccttctgc agcctccaaa aggtgntctt ctctatgggc ctccagctgt 480
 ggtaaaacgt tgattgcca g 501

<210> 155
 <211> 601
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(601)
 <223> n = A,T,C or G

<400> 155

```
<210> 156
<211> 501
<212> DNA
<213> Homo sapien
```

<400> 156							
caagaaagga	gaaagagagc	tcaaaatcgg	agacagagta	ttggttggtg	gcactaaggc		60
tgggtgtagtc	cggtttcttg	gggagaccga	ctttgccaaag	ggggagtggg	gtggcggtgga		120
gttagatgag	ccacttgga	agaatgatgg	cgctgttgct	ggaacaagggt	attttcagtg		180
tcaacccaaa	tatggcttgt	tcgctcctgt	ccacaaagtt	accaagattg	gcttcccttc		240
cactacacca	gccaaagcca	aggccaacgc	agtgaggcga	gtgatggcga	ccacgtccgc		300
cagcctgaag	cgcagccctt	ctgcctcttc	cctcagctcc	atgagctcag	tggcctcttc		360
tgtgagcagc	angcccagtc	ggacaggact	attgactgaa	acctcctccc	gttacgccag		420
gaagatctcc	ggtaccactg	ccctccanga	ggcccttgaa	ggaaaaaacan	cagcacattg		480
agcancttgc	tggcnggaac	c					501

```
<220>  
<221> misc_feature  
<222> (1)...(501)  
<223> n = A,T,C or G
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<400>	157
caccctcttc gtcgcttcgg ccagtggtgc gggctgggcc ctgacaagcc acctgaggag	60
aggctcggag ccgggcccgg accccggcga ttgccgccg cttctctcta gtctcacgag	120
gggttcccg cctcgacccc ccacctctgg acttgccctt cttctctctc tcgcggtgtg	180
gagggagcca gcgcttangc cgtagcgagc ctggggggcg cccgccgtga agacatcgcg	240
gggaccgatt caccatgnag ggcgccggcg gngcgaacga caagaaaaag ataagtctctg	300
aacgtcgaaa agaaaagtct cgagatgcag ccanatctcg gcgaagtaaa gaatctgaag	360
tttttatga gcttgtcat cagttgccac ttccacataa tgtgagttcg catcttgata	420
angcctcttg tgatgagget taccatcagc tatttgctg tgaggaaaact totggatgct	480
ggtgatattgg atattgaaga t	501

<210> 158
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 158
 acggggtcac ccacacggtg cccatctacg agggctacgc cctccccccac gccatcctgc 60
 gtctggacct ggctggccgg gacctgaccg actacctcat gaagatcctc actgagcgag 120
 gctacagctt caccaccacg gccgagcggg aaatcgtgcg cgacatcaag gagaagctgt 180
 gctacgtcgc cctggacttc gagcaggaga tggccaccgc cgcacacctc tcttctctgg 240
 agaagagcta cgagctgccc gatggccagg tcatcaccat tggcaatgag cggttccggt 300
 gtccggaggc gctgttccag ccttccttcc tgggtatgga atcttgcggn attcacgana 360
 ccaccttcaa ctocatcatg aagtgtgacg tggacatccg caaagacctg tacgccaaca 420
 ccgtgctgtc gggcggnacc accatgtacc cgggcattgc cgacaggatg caaaaaggag 480
 atcaccgcgc cttggcgccc a 501

<210> 159
 <211> 501
 <212> DNA
 <213> Homo sapien

<400> 159
 cgagcgggac tggctgggtc ggctgggctg ctggtgcgag gagccgcggg gctgtgctcg 60
 gcggccaagg ggacagcgcg tgggtggccg aggatgctgc ggggcggtag ctccggcgcc 120
 cctagctggg gactgctgcg ccgtgcctca cacagcccga ggcgggctcg gcgcacagtc 180
 gctgctccgc gcgcgcgccc ggcggcgctc caggtgctga cagcgcgaga gagcgcggcc 240
 ctcaggagca aggcgaatgt atgacaacat gtccacaatg gtgtacataa aggaagacaa 300
 gttggagaag cttacacagg atgaaattat ttctaagaca aagcaagtaa ttcaggggct 360
 ggaagctttg aagaatgagc acaattccat tttaaaagt ttgctggaga cactgaagtg 420
 tttgaagaaa gatgatgaaa gtaatttggg ggaggagaaa tcaaacatga tccggaagtc 480
 actggagatg ttggagctcg g 501

<210> 160
 <211> 487
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(487)
 <223> n = A,T,C or G

<400> 160
 aagatctcag tctgactctt ttggaacaag tcaaactgcc catgatgttg ctgatcagcc 60
 aaggcctgga tcagagggga gcttctgtgc atcttcaaac tctccaatgc actcccaagg 120
 ccagcagttc tctggtgtct cccaacttcc tggacctgtg ccacttcagg agtaactgat 180
 acacagaata ctgtaaatat ggcccaagca gatacagaga aattgagaca gcggcagaag 240
 ttacgtgaaa tcattctcca gcagcaacag cagaagaaga ttgcaggtcg acaggagaag 300
 gggtcacagg actcaccgcg agtgccttca tccanggcct ctttaacact ggcaaccaag 360

```

agaatggtta acccaggott ttaaccaana acccccacct tccttttcct gggggaacat 420
ttaggtcttc ctggttggcc ccttcctttt anggaacctt anaatttgct tggtttttcc 480
ccnaaaa 487

```

```

<210> 161
<211> 501
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

```

```

<400> 161
ggttcccggc ccagtcccgt cctgcagcag tctgcctcct ctttcaacat gacagatgcc 60
gctgtgtcct tcgccaagga cttcctggca ggtggagtgg ccgcagccat ctccaagacg 120
gcggtagcgc ccacgcagcg ggtcaagctg ctgctgcagg tgcagcatgc cagcaagcag 180
atcactgcag ataagcaata caaaggcatt atagactgcg tgggccgtat tcccaaggag 240
cagggagttc tgtcctttctg gcgcggtaac ctggccaatg tcatcagata cttccccacc 300
caggctctta acttcgcctt caaagataaa tacaagcaga tcttcctggg tggtgtggac 360
aagagaaccc agttttggcg ctactttgca gggaatctgg catcgggtgg tgccgcangg 420
gccacatccc tgtgttttgt gtaccctctt gattttgccc gtaccctctt ancantgat 480
gtggggtaaa agctggagct g 501

```

```

<210> 162
<211> 501
<212> DNA
<213> Homo sapien

```

```

<400> 162
gaaaaagaaa aagaactaca acggcagaaa gaaaaggaaa aagaactaca aaagatgaaa 60
gaacaagaaa aggaatgtga gctggagaag gaaagggaaa aattagagga gaaaattgaa 120
cccagagAAC ctaatttaga gcccatggta gaaaaacaag aaagtgaaaa cagctgtaat 180
aaagaggagg aaccctgttt cactagacaa gacagcaatc gcagtgaaaa ggaagccaca 240
ccagtgggtg atgaaacaga accagaatca ggggtctcaac ctcggccggc tgtattatct 300
ggctatttca aacagtttca gaagtcttta cctccacgat tccagcggca gcaggaacag 360
atgaaacagc agcagtggca gcagcagcaa cagcaagggt tacttccaga ctgttccttc 420
caaccgtcca gtagtactgt cctcctctcc cacacagacc tcttttcagc ctatgcagcc 480
tctcctcagc atttggttc t 501

```

```

<210> 163
<211> 501
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

```

```

<400> 163
gagctcgacc agttgcctga cgagagctct tcagcaaaag cccttgtcag tttaaaagaa 60
ggaagcttat ctaacacgtg gaatgaaaag tacagttctt tacagaaaac acctgtttgg 120

```

```

aaaggcagga atacaagctc tgctgtggaa atgccttttc agaaattcaa aacgaagtcg      180
acttttttct gatgaagatg ataggcaaat aaatacaagg tcacctaaaa gaaaccagag      240
ggttgcaatg gttccacaga aatttacagc aacaatgtca acaccagata agaaagcttc      300
acagaagatt ggttttcgat tacgtaatct gctcaagctt cctaaagcac ataatgggtg      360
tatatacgag tggttctatt caaatataga taaaccactt tttgaagggtg ataatgactt      420
ttgtgtatgt ctaaaggaat cttttctaata ttgaaaacaa gaaagttaac aagagtagaa      480
tggggaaaaa ttcngcggct t                                     501

```

<210> 164

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 164

```

cgggtgcgcg cccacgaccg ccagactcga gcagtctctg gaacacgctg cggggctccc      60
gggcctgagc caggtctgtt ctccaacgag gtgttcgcgc cgccccgttc agccatgtcg      120
tccggcatcc atgtagcgct ggtgactgga ggcaacaagg ggcacgcggt tggccatcgt      180
gcgcgacctg tgccggctgt tctcggggga cgtggtgctc acggcgcggg acgtgacgcg      240
gggccaggcg gccgtacagc agctgcaggc ggagggcctg agcccgcgct tccaccagct      300
ggacatcgac gatctgcaga gcatccgcgc cctgcgcgac ttcctgcgca aggagtacgg      360
gggcctggac gtgctggtca acaacgcggg catgcgcttc aagggttgctg atcccacacc      420
ctttcatatt caagctgaag tgacgatgaa aacaaatttc tttggtacct ganatgtgtg      480
cacagaatta ctccctctaa t                                     501

```

<210> 165

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 165

```

ccggtgaagg accgcgaggc cttccagagg ctcaacttcc tgtaccaggt gagtctgcga      60
caagggcccc acggggacgg tgctcggcgt cccagagtga ctgtccccc cccgcaggcc      120
gccatttgtg tccttgccca ggaccccgag aaccangcgc tggcgagggt ttactgctac      180
actgagagga ccattgcgaa gcggctcgtc ttgoggcggg atccctcggt gaagaggact      240
ctctgtcgag gctgctcttc cctcctcgtc ccgggcctca cctgcaccca ccgccagaga      300
cgctgcaggg gacagcgcgt gaccgtacag acctgcctaa catgccagcg cagccaacgc      360
tnnctcaatg atccnnggca tttactntgg ggagacnngn ctgaggccca actcgggagc      420
caagcagatt ccaaaccact acaacccttg ccaaacacag cccactccat ttcagaccgc      480
cttctgagg agaaaaatgca g                                     501

```

<210> 166

<211> 412

<212> DNA

<213> Homo sapien

```
<210> 169
<211> 501
```

<212> DNA

<213> Homo sapien

<400> 169

gctgtgcggc	ggtccccgcg	ccggcgatgt	tcccgggcac	tccctgagta	gcggcagctt	60
atcccccgcc	cgctagcccg	ccctgggtccc	cggtcgcgtc	gctggctggc	gcggccccgg	120
ccccgctctg	cgtcggcccc	gccgcggtgg	aggcgcgcg	gggggacgcg	gccggggatg	180
agcggattgc	gggtgaactc	gccgcccggg	ggccccgcga	agccgtgagc	cgctgctttt	240
ctccgagtcg	ccgcccctgcc	cttggtatttg	agatcatgtc	catccacatc	gtggcgctgg	300
ggaacgaggg	ggacacattc	caccaggaca	accggccgtc	ggggcttatc	cgcacttacc	360
tggggagaag	ccctctggtc	tccggggacg	agagcagctt	gttgctgaac	gcggccagca	420
cggtcgcgcg	tccggtgttc	accgagtatc	aggccagtgc	gtttgggaat	gtcaaagctg	480
gtgttcacg	actgtcccgt	c				501

<210> 170

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 170

gcatcctctt	gccgttcccg	gtgtttgggc	cttgccctgtg	acgggtgggaa	aagaaaatgg	60
ccttgctgtg	ctacaaccgg	ggctgcgggtc	agecgttcga	tccctgagacc	aattccgacg	120
atgcttgac	ataccacca	ggtgttcggg	tctttcacga	tgcattaaag	ggttggtctt	180
gctgtaagag	aagaacaact	gattttttctg	attttcttaag	cattgtaggc	tgtacaaaag	240
gtagacataa	tagtgagaag	ccacotgagc	cagtcaaacc	tgaagtcaag	actactgaga	300
agaaggagct	atgtgaatta	aaaccccaat	ttcangaaca	catcattcaa	gcccttaagc	360
cagtagaagc	aataaaaaaga	ccaagcccag	atgaaccaat	gacaaatttg	gaattaaaaa	420
tatctgcctc	cctaaaacaa	gcacttgata	aacttaaaact	gtcatcaggg	aatgaagaaa	480
atnagaaaga	agaagacnat	g				501

<210> 171

<211> 601

<212> DNA

<213> Homo sapien

<400> 171

agcgacctat	cttgaactcc	acagccttga	tgactttctac	ataggaaagt	attttggagg	60
agtgttgag	tattttatga	ttcaagcctt	aaatcagaag	acaagtgaag	aaatgaagaa	120
aagaaaaatg	agcaactcct	ttcatggaat	tagaccacct	caacttgaac	aaccagaaaa	180
aatgcctgtc	ttaaaggctg	aagcgtcaca	ttataactct	gacttaaata	acttgctgtt	240
ctgctgccag	tgtgtggacg	tggtatttta	caaccccaat	ttaaagaaag	ttgtagaggc	300
ccacaagatc	gttctctgcg	ctgtaagcca	tgttttcatg	ctgcttttca	atgtgaagag	360
tcccactgac	attcaggatt	ccagtatcat	cogaactacc	caggatcttt	ttgctataaa	420
cagagatact	gcatttccag	gtgctagcca	tgaatcttca	ggcaaccac	cattacgagt	480
cattgttaaa	gacgccctct	tctgttcttg	tttatcagac	atccttcgct	tcattttattc	540
aggtgctttt	cagtgggaag	aattggaaga	agatatcagg	aagaagttga	aagattctgg	600
g						601

<210> 172

<211> 501
 <212> DNA
 <213> Homo sapien

<400> 172
 gaccgttttaa aaaactggta tccagctcac atagaagaca ttgactacga ggaaggaaaa 60
 gtactcatcc atttcaagcg ttggaaccat cgttatgatg agtggttctg ctgggacagt 120
 ccttattttac gcccttttaga gaaaatacag ctgaggaaag agggcttgca tgaagaggat 180
 ggatcttctg aatttcaa ataatgagcag gtccttgctt gctggtctga ttgtcgtttt 240
 taccgggcca aagtcactgc tgtaacaag gatggtactt aactgtgaa attttatgat 300
 ggagtagttc agactgtcaa acatattcat gtcaaagctt tttccaaaga tcagaatatt 360
 gtgggtaatg ctaggcctaa agaaacagat cacaaaagtc tttcatcatc tcctgataaa 420
 cgagagaagt ttaaagaaca gagaaaagca acagtgaatg tgaagaaaga caaagaagat 480
 aaacccttaa agacagaaaa g 501

<210> 173
 <211> 501
 <212> DNA
 <213> Homo sapien

<400> 173
 gcgacctatc ttgaactcca cagccttgat gacttctaca taggaaagta ttttggagga 60
 gtgttgaggat attttatgat tcaagcctta aatcagaaga caagtgaaaa aatgaagaaa 120
 agaaaaatga gcaactcctt tcatggaatt agaccacctc aacttgaaca accagaaaaa 180
 atgcctgtct taaaggctga agcgtcacat tataactctg acttaaataa cttgctgttc 240
 tgctgccagt gtgtggacgt ggtattttac aaccccaatt taaagaaagt tgtagaggcc 300
 cacaagatcg ttctctgcgc tgtaagccat gttttcatgc tgcttttcaa tgtgaagagt 360
 cccactgaca ttcaggattc cagtatcacc cgaactaccc aggatctttt tgctataaac 420
 agagatactg catttccagg tgctagccat gaatcttcag gcaaccacc attacgagtc 480
 attgttaaag acgccctctt c 501

<210> 174
 <211> 501
 <212> DNA
 <213> Homo sapien

<400> 174
 ccccgaggag cgggccgtcg ggcgcagccg cgaagatgcc gttggaactg acgcagagcc 60
 gagtgcagaa gatctgggtg cccgtggacc acaggccctc gttgcccaga tcctgtgggc 120
 caaagctgac caactcccc accgtcatcg tcatggtggg cctccccgcc cggggcaaga 180
 cctacatctc caagaagctg actcgctacc tcaactggat tggcgtcccc acaaaagtgt 240
 tcaacgtcgg ggagtatcgc cgggaggctg tgaagcagta cagctcctac aacttcttcc 300
 gccccgacaa tgaggaagcc atgaaagtc ggaagcaatg tgcttagct gccttgagag 360
 atgtcaaaaag ctacctggcg aaagaagggg gacaaattgc ggttttcgat gccaccaata 420
 ctactagaga gaggagacac atgatccttc attttgccaa agaaaatgac ttttaaggcgt 480
 ttttcatcga gtcggtgtgc g 501

<210> 175
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 175

ccaacatgac	cgaacgaaga	agggacgagc	tctctgaaga	gatcaacaac	ttaagagaga	60
aggtcatgaa	gcagtcggag	gagaacaaca	acctgcagag	ccaggtgcag	aagctcacag	120
aggagaacac	cacccttcga	gagcaagtgg	aaccaccccc	tgaggatgag	gatgatgaca	180
tcgagctccg	cgggtgctgca	gcagctgctg	ccccaccccc	tccaatagag	gaagagtgcc	240
cagaagacct	cccagagaag	ttcgatggca	accagacat	gctggctcct	ttcatggccc	300
agtgccagat	cttcatggaa	aagagcacca	gggatttctc	agttgatcgt	gtccgtgtct	360
gcttcgtgac	aagcatgatg	accggcgtg	ctgccgttgg	gcctcagcaa	agctggagcg	420
ctccactacc	tgatgcacaa	ctaccactt	tcgatgatga	aatgaagcat	gtctttgaag	480
accctcanag	gcgagaggtt	g				501

<210> 176

<211> 378

<212> DNA

<213> Homo sapien

<400> 176

ggcgggaagag	gtgattttatt	atatggttgt	tacactcggc	cacaaataaa	cacagaaata	60
gtccagaatg	tcacaggtcc	agggcagagg	accaacatgg	gcattttgtt	tatgagcaag	120
gtgggtctca	gaggtgatcg	gcgatcagag	ggcgatgaag	ttctagatcc	attgagacaa	180
gctctagaca	gtagcatgca	gtcccacaac	ttgtaccagc	atccccagcg	tctggcattc	240
catgtttctg	ctcctgtggc	ctccacgggtg	caacaagcta	gcggtttact	tggacctctg	300
cctcatcttt	cttcttttgc	gcttcagcct	gcgcattcgc	ttcttctctc	acttggctct	360
catggcgcag	aggtttcc					378

<210> 177

<211> 501

<212> DNA

<213> Homo sapien

<400> 177

ggcagggagc	tggacctgga	ggcgccgccc	cgacagcagc	agccatggag	gacgagatgc	60
ccaagactct	atacgtcggc	aacctttcca	gagatgtgac	agaagctcta	attctgcaac	120
tcttttagcca	gattggacct	tgtaaaaact	gcaaatgat	tatggatata	gctggaaatg	180
atccctattg	ttttgtggag	tttcatgagc	atcgtoatgc	agctgcagca	ttagctgcta	240
tgaatggacg	gaagataatg	ggtaagggaag	tcaaagtga	ttgggcaaca	acccttagca	300
gtcaaaaagaa	agatacaagc	aatcatttcc	atgtctttgt	tggtgatctc	agcccagaaa	360
ttacaactga	agatataaaa	gctgcttttg	caccatttgg	aagaatatca	gatgcccgag	420
tggtaaaaga	catggcaaca	ggaaagtcta	agggatatgg	ctttgtctcc	tttttcaaca	480
aatgggatgc	tgaaaacgcc	a				501

<210> 178

<211> 501

<212> DNA

<213> Homo sapien

<400> 178

agccccgggc	caggccgccc	ccggggcagg	agcgcagggg	ctttgttatg	cacctaaagc	60
catattggaa	gctccagaag	aaagagcacc	ccccggaagt	cagcagggaa	acgcagagaa	120
ctcctatgaa	ccaccaaag	gctgtaaatg	atgaaacatg	caaagctagc	cacataacat	180
caagtgtctt	tccttcagcc	tctctcggtg	aagcatcatc	tcgaaagcca	tttgggatcc	240

```

ttttccaaaa tgtttctgtgc agtatgagtg ggaagagtcc tgtagagagc agcttgaatg 300
ttaaaaccaa aaagaatgca ccatctgcaa cgatccacca gggcgaagaa gaaggaccac 360
ttgatatctg ggctgtttgtg aaacctggaa ataccaagga aaaaattgca ttctttgcat 420
cccaccagtg tagtaacagg ataggatcta tgaaaataaa aagttcctgg gatattgatg 480
ggagagctac taagagaagg a 501

```

```

<210> 179
<211> 501
<212> DNA
<213> Homo sapien

```

```

<400> 179
cgggactagg agcgcggcgg ggcgggcggc agagctgtcc ggctgcgcgg tggcccgggg 60
ggcccgggcg gcagggcaag cagcgcggcc tcggcctatg cgaccggtgg cgccggcgcg 120
gcttctgcct ggagaggatt caagatgacc aacgaagaac ctcttcccaa gaaggttcga 180
ttgagtgaaa cagacttcaa agttatggca agagatgagt taattctaag atggaaacaa 240
tatgaagcat atgtacaagc tttggagggc aagtacacag atcttaactc taatgatgta 300
actggcctaa gagagtctga agaaaaacta aagcaacaac agcaggagtc tgcacgcagg 360
gaaaacatcc ttgtaatgcg actagcaacc aaggaacaag agatgcaaga gtgtactact 420
caaatccagt acctcaagca agtccagcag cccgagcggt gccaaactgag atcaacaatg 480
gtagaccag cgatcaactt t 501

```

```

<210> 180
<211> 571
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

```

```

<400> 180
gagcgtaccg ggttttctcc atgctgtttc ttaactctct cttttgcacc cctcccattt 60
ccctcgtttt tctttgaaaa tttctccccc ctccagttcg ctgtccggcc ctccatgtg 120
tganaggggc agtgtgccgt taatggccgt gccgggcacc gggccgctct ggtagtgtg 180
ggacatgtga agtctgctgg gggcggcggg ttccggcacc tcggcgccgg ggagatacat 240
gctgatcatg tcccggaggt ccccggcctg gcagggcgcc ctggagtggg aggaagaggt 300
aaccacaggg gggctggagc tggcctcgga cttgaccacc gaaccatgg agccaanagc 360
catgccaggg gtgccctgct gcgagtagga catgctgtag gtggcgagc cgttcatgta 420
ggtctgcgag ctggtcatgg agttgtactg cagggoctc acgtcgtaac ggtgcatggg 480
ctgcatctgc gctgcgccgt gcgcattgag gcccggtgct tnggggtagc ccaactggtc 540
ctgcatcatg ctgtactgcc gntgctccac c 571

```

```

<210> 181
<211> 501
<212> DNA
<213> Homo sapien

```

```

<400> 181
tgagaccgcc aagatggtgg tgggcgcggt ccctatggcg aagctgctat acttgggcat 60
ccggcaggtc agcaagccgc ttgccaaccg tattaaggag gccgccgcc gaagcgagtt 120
cttcaagacc tatatctgcc tcccgccggc tcaactgtat cactgggtgg agatgcggac 180
caagatgcgc atcatgggct tccggggcac ggtcatcaag ccgctgaac aggaggcggc 240

```

agccgagctg	ggcgagagc	tgctgggcga	agccaccatc	ttcatcgtgg	gcgccggctg	300
cctagtgtctg	gagtactggc	gccaccaggc	gcagcagcgc	cacaaggagg	aggagcagcg	360
tgctgcctgg	aacgcgtctg	gggacgaggt	gggccacctg	gcgctggcgc	tggaagcgct	420
gcaggcgcag	gtgcaggcgg	cgccgccaca	gggcgccttg	gaggaactgc	gcacagaact	480
gcaagaggtg	cgcgccact	c				501

<210> 182

<211> 501

<212> DNA

<213> Homo sapien

<400> 182

ccccagcaga	catgtttgcc	aaggcctttc	gggtcaagtc	caacacggcc	atcaaggggt	60
cggacaggag	aaagcttcga	gctgatgtga	caactgcttt	ccccaccctt	ggaactgac	120
aagtctctga	gttagtacct	ggaaaggagg	agctcaacat	tgtgaagttg	tatgctcaca	180
aaggggatgc	agtgactgtg	tacgtgagtg	gtggtaacct	catcctcttt	gaactggaga	240
aaaatctgta	tccaacagtg	tacacgctgt	ggtcctatcc	tgatcttctg	ccaaccttta	300
caacatggcc	tctgggtgctc	gagaaaactgg	tagggggagc	agatttgatg	ctgcctggac	360
tggtgatgcc	ccctgctggg	ctgcctcagg	tacagaaggg	cgacctctgt	gccatttctt	420
tggtggggaa	cagagccctt	gtagccattg	gagttgcagc	catgtccaca	gctgagatgc	480
tcacgtcagg	cctgaaggga	a				501

<210> 183

<211> 501

<212> DNA

<213> Homo sapien

<400> 183

atctgctcac	tttagcactc	tggcaattaa	acagaacccc	cttctggcag	aagcttattc	60
gaatttgggg	aatgtgtaca	aggaaagagg	gcagttgcag	gaggcaattg	agcattatcg	120
acatgcattg	cgtctcaaac	ctgatttcat	cgatggttat	attaacctgg	cagccgcctt	180
ggtagcagcg	ggtgacatgg	aaggggcagt	acaagcttac	gtctctgctc	ttcagtacaa	240
tcttgatttg	tactgtgttc	gcagtgcctt	ggggaacctg	ctcaaagccc	tgggtcgctt	300
ggaagaagcc	aaggcatgtt	atttgaaagc	aattgagacg	caaccgaact	ttgcagtagc	360
ttggagtaat	cttggtgtgt	ttttcaatgc	acaaggggaa	atttggcttg	caattcatca	420
ctttgaaaag	ctgtcacccct	tgacccaaac	tttctggatg	cttatatcaa	tttaggaaat	480
gtcttgaaag	agcacgcatt	t				501

<210> 184

<211> 501

<212> DNA

<213> Homo sapien

<400> 184

agttctccca	ggagaaagcc	atgttcagtt	cgagcgccaa	gatcgtgaag	cccaatggcg	60
agaagccgga	cgagttcgag	tccggcatct	cccaggctct	tctggagctg	gagatgaact	120
cggacctcaa	ggctcagctc	aggagactga	atattacggc	agctaaggaa	attgaagttg	180
gtggtggtcg	gaaagctatc	ataatctttg	ttcccgttcc	tcaactgaaa	tctttccaga	240
aaatccaagt	ccggctagta	cgcgaaattg	agaaaaagtt	cagtgggaag	catgtcgtct	300
ttatcgctca	gaggagaatt	ctgcctaagc	caactcgaaa	aagccgtaca	aaaaataagc	360
aaaagcgtcc	caggagccgt	actctgacag	ctgtgcacga	tgccatcctt	gaggacttgg	420
tcttcccaag	cgaaattgtg	ggcaagagaa	tccgcgtcaa	actagatggc	agccggctca	480
taaaggttca	tttgacaaa	g				501

<210> 185
 <211> 460
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(460)
 <223> n = A,T,C or G

```
<400> 185
gcacaaaatg gcggcggcgg cggcggcggc tgggtgctgca gggtcggcag ctcccgcggc      60
agcggccggc gccccgggat ctggggggcg accctcaggg tcgcaggggg tgctgatcgg      120
ggacaggctg tactccgggg tgctcatcac cttggagaac tgctcctgc ctgacgacaa      180
gtcccgtttc acgccgtcca tgcgagcgg cctcgacacc gacacagaga ccgacctccg      240
cgtggtgggc tgcgagctca tccaggcggc cgggtatcctg ctccgcctgc cgcagggtggc      300
catggctacc gggcagggtgt tgttccagcg gttcttttat accaagtcct tcgtgaagca      360
ctccatggag catgtgtcaa tggcctgtgt ccacctggct tccaagatag aagangcccc      420
aagaccatac gggacgtcat caatgtgttt caccgccttc      460
```

<210> 186
 <211> 401
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(401)
 <223> n = A,T,C or G

```
<400> 186
cgtgttttgg gccggttctg gagtggctgg cggcgggggc tgggtgtccg ccagtgccc      60
gaggacgcag gctttggcac cgaagcccg catcagaggc aaccccgcg ctccctgccaa      120
cggtcggggc cctcggggga ccagcccttc gcggggctgc tgccaaaaaa cctcagtcgg      180
gaggagctgg ttgatgcgct gcgggcagcc gtggtggacc ggaaaggacc tctagtgcag      240
ttgaacaagc cacagggtct accagtgcac ggaaaaccag gagagctgac gttgtttctca      300
gtgctgccag agctgagcca gtccctangg ctcaggggagc aggagcttca ggttgtccga      360
ncatctggga agtaagtgg angggtgaca ggaagctang a      401
```

<210> 187
 <211> 376
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(376)
 <223> n = A,T,C or G

```
<400> 187
gcatccgccc tgtctgggag gtggggggcg cgctctgnc cagccgccac gtctgggaag      60
tggggagccc cactgcccg ctgccacccc gtctgggagg tgtaccaaac agctcattga      120
gaacgggcca tgatgacgat ggcggttttg tcgaatagaa aagggggaaa tgtggggaaa      180
agaaagagag atcagattgt tactgtgtct gtgtagaaag aagtagacat aggagactcc      240
```

<400> 190						
aagttctgaa	gattcatttt	tgtctgccat	tataaattat	actaatagct	ctacagtcca	60
ctttaagttg	tccctacat	atgtattata	tatggcatgc	cggtatgtat	tgtccaacca	120
gtacagacct	gacatcagcc	ctacagagcg	cacacataaa	gtcattgcag	tcgtcaacaa	180
gatggtgagc	atgatggagg	gtgtcatcca	gaaacagaag	aatattgcag	gggcacttgc	240
cttctggatg	gcaaatgcat	ctgaacttct	caacttcatt	aagcaagacc	gagacottag	300
toggatcaca	ctggatgctc	aagatgtttt	agcacatttg	gttcaaattg	catttaaata	360
cttggttcac	tgtcttcaat	cagaacttaa	taattacatg	ccagcctttc	tagatgaccc	420
tgaagagaac	agtctgcaac	gaccaaaaaat	agatgatgtg	ctgcacacgc	tcacaggagc	480
catgtntctg	ctacgacgct	g				501

<210> 191
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 191
 ttgtgcgtgc tcagccacta ccctttcttn gnccactttc cganagtgtt tgtatactct 60
 caagcgcctg gnggactgct gtagtgagcg ccttctgggc aagaaaactgg gcatccctcg 120
 aggcgtacaa agggacacca tgtggcggat ctttactgga tcgctgctgg tagaggagaa 180
 gtcaaagtgcc cttctgcatg accttcgaga gattgaggcc tggatctatc gattgctgcg 240
 ctccccagta cccgtctctg ggcagaagcg agtagacatc gaggtcctac cccaagagct 300
 ccagccagct ctgacctttg ctcttcagaa cccatctcga ttcaccctag tggatttccc 360
 actgcacctt cccttggaac ttgtaggtgt ggacgcctgt ctccagntgc taacctgcat 420
 tctggtagag cacaaggcgg cgctacagtc ccgagactac aatgcactct ccatgtctgt 480
 gatggcatnc atggcaatga t 501

<210> 192
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 192
 tttganttga accagaagct ccaggaagaa aaacataaaa gcataactga ggcacttagg 60
 agacaggagc agaataataa gagttttgag gagacctatg accgaaagct caagaatgaa 120
 cttctaaact tccacaggct gcatggtgtc tgcttggtct tgggaatcct catatgactt 180
 tggcaggtgt tggagtttgg aggtctctcg ccacaggagt gcttctatct ccttttggaa 240
 ccaaaagggc agctggtaac agctgggaaa ggggaagtga actgtgaaaa tgtgcctttt 300
 ggtattgcta atccggatat aatgctcttg gcagttggct ctccaggactg tgcttagtcc 360
 ctgagcaciaa aagttcttac cttggttggg ggtgggcaga tggtagaggt ggattggaag 420
 tgaccgtctg attatcattt gggattgagt ctgtgtgtgt ctgtgtaaat ttaatttacc 480
 cctttgctct ttgtgtcagt t 501

<210> 193
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 193

```

agntttctcgc tctcgcctgc ctgcccgcgc ccttgcttgc tcgcgctttc gctcgccttc      60
tcctcgagga tcgaggggac tctgaccaca gcctgtggct gggaaggag acagaggcgg      120
cggcggctca ggggaaacga ggctgcagtg gtgtagtag gaagatgtcg ggcgaggacg      180
agcaacagga gcaaaactatc gctgaggacc tggtcgtgac caagtataag atggggggcg      240
acatcgccaa cagggtactt cggtccttgg tgaagcatc tagctcaggt gtgtcggtag      300
tgagcctgtg tgagaaaggt gatgccatga ttatggaaga aacagggaaa atcttcaaga      360
aagaaaagga aatgaagaaa ggtattgctt tccccaccag catttcggta aataactgtg      420
tatgtcactt ctcccccttg aagagcgacc aggattatat tctcaaggaa ggtgacttgg      480
taaaaattga ccttggggtc c

```

```

<210> 194
<211> 560
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(560)
<223> n = A,T,C or G

```

```

<400> 194
ggcttcactc tcacaaactc cttgaatttc ttctctttat tcttttcctt gtcttttgta      60
gttgggggaa tcggcanagac ccgcttcctg gtcaggggtct cctggctggg cttgtctgaa      120
gctgaagggc ccctggtttg gacatgcctc tttcccgggc tctcttctgg ctccagtgac      180
ttctccattc catggaaata cttcatgtga tagtgcaaca gtttggtttt gcggaaaaat      240
tttaaacagt ccacaacttt gcatctaaac ttatggtcta ggtcgacagc tgggtgatta      300
natgacccaa aatcatctgt tttcttaaaa gtatttggtta cttccacagt cgaaatctct      360
tgtaattcca caaggggaga agtcggttct gttttcatcg tgttttctcc cattgatggg      420
cagttcaact ccaagcctgc agccccggat ccatcccaaa aggagnngca agtcagtgca      480
natganacct ggccagcttc caaagcagac ttcaactgac cttcttcaga ttccttggtta      540
ctanacaacg tgtcttgcaa

```

```

<210> 195
<211> 582
<212> DNA
<213> Homo sapien

```

```

<400> 195
ggcacctggg gagaaatgga tggagaaggg aacctggctgg aaagcctttg ccccgtgct      60
ctgctccgcc cataagagga cccctgaaat gtcccgtgca gtttggtcaa gtcccctgtg      120
tgatgaaatg tgctctcgc cttaccctgt tgagaatacc tgtggtgtgg cagcgagtat      180
tttggtatth gacctgtcca aagacgactt gatacctcta taatgtaaca gaaaaggtca      240
gaaaatatta agcaagtaga agtgtggagc atattaagca agatgaacat ctcggaagc      300
agctgtggaa gccctaactc tgcagatata tctagtgact ttaaggacct ttggacaaaa      360
ctaaaagaat gtcatgatag agaagtacaa ggtttacaag taaaagtaac caagctaaaa      420
caggaacgaa tcttagatgc acaaagacta gaagaattct tcacaaaaaa tcaacagctg      480
agggaacagc agaaagtcct tcatgaaacc attaaagttt tagaagatcg gtttaagagca      540
ggcttatgtg atcgctgtgc agtaactgaa gaacatatgc gg

```

```

<210> 196
<211> 401
<212> DNA
<213> Homo sapien

```

<223> n = A, T, C or G

aaaccaaaga	atggattgaa	gagaagaatc	aagctctaaa	cacagacaat	tatggacatg	60
atctcgccag	tgtccaggcc	ctgcaacgca	agcatgaggg	cttcgagagg	gaccttgcg	120
ctctcggtga	caaggtaa	tcccttggtg	aaacagcaga	gcgcctgata	cagtcccatc	180
ccgagtcagc	agaagacctg	caggaaaagt	gcacagagtt	aaaccaggcc	tggagcagcc	240
tggggaaaacg	tgcagatcag	cgcaaggcaa	agttgggtga	ctcccacgac	ctgcagcgct	300
tccttagcga	tttccgggac	ctcatgtctt	ggatcaatgg	aatacggggg	ttggtgtcct	360
cagatgagct	anccaaggat	gtcaccggag	ctgangcatt	g		401

<213> Homo sapien

$\langle 223 \rangle$ n = A, T, C or G

agtttcccg	accatggcca	acctggagcg	caccttcatt	gccatcaagc	cggaaggngt	60
gcancgccc	ctggtggcg	agatcatcaa	gcgcttngan	cagaagggat	tcgcctctnt	120
ggccatgaan	ttcctccggg	cctctgaana	acacctgaag	cagcactaca	ttgacctgaa	180
agaccgacca	ttcttccttg	ggctggtgaa	ntacatgaac	tcagggccgg	ttgtggccat	240
ggtctgggag	gggctgaacg	tggatgaagac	aggccgagtg	atgcttgggg	agaccaatcc	300
agnagattca	aagccaggca	ccattcttgg	ggactttctgc	attcagggtt	gnangaacat	360
nattcatggn	agtgattcan	taaaaagtgc	tgaaaaanaa	atcancctat	ggnttaagcc	420
tgaagaactg	gttgactaca	agtcttngnc	tcattgac			457

<213> Homo sapien

aggctgaacc	cgaggagatg	aaccctttta	ctaagggtgaa	gctgatcaac	gagctgaatg	60
aacgagaggt	ccagcttggg	gtggccgata	agggtgcctg	gcaactccgag	tacaaggaca	120
gcgcctggat	cttctctgga	gggcttcctt	atgaactgac	tgaaggggac	atcatctgtg	180
tgttctcaca	atatggggag	attgttaaca	ttaatctcgt	gcgggacaag	aaaactggga	240
aatccaaagg	attctgtttc	ctctgctatg	aagaccagag	gagcacaatt	ctggccgtcg	300
acaattttta	tgggatcaag	atcaaaggaa	gaactatccg	agtggatcat	gtgtctaact	360
atcgggctcc	taaggactca	gaagaaatag	atgatgtgac	cagacaactc	caggagaagg	420
gctgtggggc	tctgaccccc	tcaccaagtt	tgtctgagag	ctctgaagat	gaaa	474

<213> Homo sapien

<223> n = A, T, C or G

gagaagaaac	aggaagaaga	agaaacgatg	cagcaagcga	catgggtaaa	atacacattt	60
ccagttaagc	atcaggtttg	gaaacaaaaa	ggtgaagagt	acagagtgac	aggatatggt	120
ggttgagct	ggattagtaa	aactcatggt	tataggtttg	ttcctaaatt	gccaggcaat	180
actaatgtga	attacagaaa	gtcgttagaa	ggaaatgtga	aggagctctt	agattctgac	240
agtataaac	cctgcaagga	agaaccaatg	gaagtagacg	atgacatgaa	aacagagtca	300
catgtaaaatt	gtcaggagag	ttctcaagta	gatgtggtca	atgttagtga	gggttttcat	360
ctaaggacta	gttacaaaaa	gaaaacaaaa	tcatccaaac	tagatggact	tottgaaagg	420
agaattaaac	agttttacact	ggaagaaaaa	cagcgactcg	aaaaaatcaa	gttgagggggt	480
ggaattaaagg	gtataaggaa	agacttctac	aaattcttca	aaaaatctct	ctgaatcacc	540
agtaataacc	gaaagcaaaa	gaanggtgtc	agag			574

<213> Homo sapien

tccataacct	tatggagaga	aaggactttg	agacatggct	tgataacatt	tctgttacat	60
ttctttctct	gacggacttg	cagaaaaatg	aaactctgga	tcacctgatt	agtctgagtg	120
gggcagtcca	gctcaggcat	ctctccaata	acctagagac	tctcctcaag	cgggacttcc	180
tcaaaactcct	tcccttggag	ctcagttttt	atttgttaaa	atggctcgat	cctcagactt	240
tactcacatg	ctgcctcgtc	tctaaacagt	ggaataaggt	gataagtgcc	tgtacagagg	300
tgtggcagac	tgcatgtaaa	aatttgggct	ggcagataga	tgattctgtt	caggacgctt	360
tgacttgga	gaaggtttat	ttgaaggcta	ttttgagaat	gaagcaactg	gaggaccatg	420
aagcctttga	aacctcgtea	ttaattggac	acagtgccag	agtgtatgca	ctttactaca	480
aagatggact	tctctgtaca	gggtcagatg	acttgctgca	aa		522

<213> Homo sapien

<223> n = A, T, C or G

atctccgcct	ggttcggccc	gectgectcc	actcctgect	ctaccatgtc	catcaggggtg	60
accagaagt	cctacaaggt	gtccacctct	ggccccggg	ccttcagcag	ccgctcctac	120
acgagtgggc	ccggttcccg	catcagctcc	tcgagcttct	cccagtgagg	cagcagcaac	180
tttcgcggtg	gectgggagg	cggtataggt	ggggccagcg	gcagggagg	catcaccgca	240
gttacgggtca	accagagcct	getgagcccc	cttgtcctgg	aggtggaccc	caacatccag	300
gccgtgcgca	cccaggagaa	ggagcagatc	aagacctca	acaacaagtt	tgctccttc	360
atagacaagg	tacggttcc	ggagcancag	aacaagatgc	tggagaccaa	gtggagcctt	420
cttgacgcag	cagaagacgg	ctcgaagcaa	catggacaac	atgttcnaaa	gctacatcaa	480
caaccttagg	cgnagcttga	a				501

<400> 202						
gcgttctgtg	gagagagtg	gaggtcaggc	catgaacttg	ggagatgggt	taaagcttga	60
aactaaatta	ctggatggaa	aaaccaagct	aatattgtct	ccatatgaac	ataaatcaaa	120
aatttctgtg	aagatgggaa	ataaggccaa	gattgcaaaa	tgtcctttta	gaacaaaaaac	180
tgggcacatt	ctaaaatcaa	cacaagatac	ttgtattggg	agtgaaaaaac	ttttgcaaaa	240
gaagccagtt	ggttcagaaa	catcacaggc	aaaaggtgaa	aaaaatggaa	tgactttttc	300
atccactaag	gatttatgta	aacaatgtat	agataaagac	tgtcttcata	tccagaaaga	360
gatttcacct	gcaactccta	atatgcagaa	gactagaaac	accgtaaata	catctctagt	420
aggtaaacag	aagcctcaca	aaaaacacat	cacagctgaa	aacatgaaga	gcagtttggt	480
qtgtctaaca	caagaccaac	t				501

<400> 203							
cttcatcatt	gcagactcct	tcctacatca	tgcgtatcgt	tttcattata	cactttgtgc		60
cactttgctg	ctagccttca	agggattgca	cagctacttc	attacagtaa	cagaagagat		120
tccttcttgt	cagaaactag	aactggccaa	ggccaacatg	cagctcctat	atgagcgtct		180
tctcagaaga	aaacagctac	gaacacagaa	agacaaccat	ctagaggaaa	tggatgtaga		240
agctcgactt	actgaactat	gtgaagaagt	taagaaaata	gagaatcctg	atgaactggc		300
agaacttata	aatatgaatc	ttgcgcaact	ttgctcactt	ttgatggctt	tatggggaca		360
gtttctggaa	gttataacgc	tacacgaaga	actaa				395

<400> 204						
aggtcaggca	gaaattggag	aggggggtca	aaagctgctg	cggcccaaca	gcttgagact	60
ggcaagtgc	tcagatgcag	agtcagactc	tcgggcaagc	tctcccaact	ccaccgtctc	120
caacaccagc	accgaggggt	tcgggggcat	catgtctttt	gccagcagcc	tctatcgga	180
ccacagtacc	agcttcagtc	tttcaaacct	cacactgccc	accaaagggtg	cccgagagaa	240
ggccacgccc	ttccccagtc	tgaaaggaaa	caggagggcg	ttagtggatc	agaagtcac	300
tgtcattaaa	cacagcccaa	cagtgaaaag	agaacctcca	tcaccccgag	gtcgatccag	360
caattctagt	gagaaccagc	agttcctgaa	ggaggtgggtg	cacagcgtgc	tggacggcca	420
gggagttggc	tggtcaaca	tgaaaaaggt	gcgccggctg	ctggagagcg	agcagctgcg	480
agtctttgtc	ctgagcaagc	t				501

```
<220>  
<221> misc_feature  
<222> (1)...(501)
```

```
<210> 208
<211> 398
<212> DNA
<213> Homo sapien
```

<400> 208
aggctctcca agccctgctg ttatatTTTT ccaggaggga ggggcgattc tgccttgttt 60
gcagtgaatg gtttcaatat gctcatcaat ggcggatcag agagaaaatc ctgcttctgg 120
aagctcatcc gacacttaga ccgagtggac tccatcctgc tcaccacat tggggatgac 180
aatttgcttg gaataaacag catgttacag cggaaaattg cagagctcga ggaagaacag 240
tcccagggct ccaccacaaa tagtgactgg atgaaaaacc tcctctcccc tgacttagga 300
gttgattttc tcaatgtacc tgaaaatctc aaaaatccag agccaaacat caagatgaag 360
agaagcatag aagaagcctg cttcactctc cagtacct 398

<210> 209
<211> 501
<212> DNA
<213> Homo sapien

<400> 209
gcgagcctc ctgggagttg tagtcgcat cctgaggtaa cggataagtt tataccatgg 60
atagcacaaa ggagaagtgt gacagttaca aagatgatct tctgcttagg atgggactta 120
atgataataa agcaggaatg gaaggattag ataaagagaa aattaacaaa attataatgg 180
aagccacgaa ggggtccaga ttttatggaa atgagctcaa gaaagaaaag caagtcaacc 240
aacgaattga aaatatgatg caacaaaaag ctcaaatcac cagccaacag ctaagaaaag 300
cacaattaca ggttgacaga tttgcaatgg aattagaaca aagccgaaat ttgagcaata 360
ccatagtgca cattgacatg gatgctttct atgcagctgt agaaatgagg gacaatccag 420
aattgaagga taaaccatt gctgtaggat caatgagtat gctgtctact tcaaattacc 480
atgcaaggag atttggtgtt c 501

<210> 210
<211> 450
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 210
cggaacaagt gcagaacagg ataatcggtt cagcaacaaa cagaagaaac tactgaagca 60
gctgaaattt gcagaatgcc tagaaaaaaa ggtggacatg agcaaagtaa atttggaggt 120
tataaagcct tggataacaa aaagagtaac ggaaatcctt gggtttgaag atgatgttgt 180
gattgagttt atattcaacc agctggaagt gaagaatcca gactccaaaa tgatgcaaat 240
caacctgact ggatttttga atggaaaaaa tgctcgagaa tttatgggag aactgtggcc 300
cctgctgcta agtgcacaag aaaacatcgc gggaatccct tctgctttcc tagaactgaa 360
gaaagaagaa ataaaacaaa gacagattga acaagaaaaa ctggcatcta tgaaaaagcn 420
agatgaagac caagattaaa gagaaangga 450

<210> 211
<211> 601
<212> DNA
<213> Homo sapien

<400> 211
ctcagagcag ctggaacagg ccaagcgggtt caaagcaaat ctagagaaga acaagcaggg 60
cctggagaca gataacaagg agctggcgtg tgaggtgaag gtcctgcagc aggtcaaggc 120
tgagtctgag cacaagagga agaagctcga cgcgcaggtc caggagctcc atgccaaggt 180

```
<210> 212
<211> 498
<212> DNA
<213> Homo sapien
```

<400>	212						
atgacaaata	ttccacatct	gtgattctct	ccagtcaaaa	gttctttgag	acgatgccat		60
cggccttggc	caatcggaga	atggaatcat	ctgactcacc	catcctacga	atggccccgc		120
agatagcata	agttttaaac	tggccattaa	acctgcctgt	gaccttgtca	acctcggcc		180
cgttcacctg	gatggatgcg	tggctccttg	caccgatgat	gcgattgcta	gcggagcatt		240
tccgcggcac	gtacaggtec	acgaactcgc	cggcgctcgt	ctgcatttcg	aggetgggct		300
gcgcctgctg	ccactcgtgc	cgaattcttt	ggatccacta	gtgtcgacct	gcaggcgcgc		360
gagctccagc	ttttgtccct	ttagtgaggg	ttaatttcga	gcttggcgta	atcaanggca		420
tagctgggtc	ctgngngaaa	ttggtatccg	tcacaattcc	ncncaatata	cgagccggaa		480
gtataaaggg	naaagcct						498

```
<210> 213
<211> 601
<212> DNA
<213> Homo sapien
```

```
<210> 214
<211> 500
<212> DNA
<213> Homo sapien
```

<221> misc_feature

<222> (1)...(500)

<223> n = A,T,C or G

<400> 214

```
aggctgcatt tacggggtct cccggagggc cagagtcgtg gcttacagaa gagacgaaat    60
gtgggtctgag ggacgatatg aatatgaaag aattccgaga gaacgagcac ctccctcgaag   120
tcatcccagt gatgaatctg gttatagatg gacaagagac gatcattctg caagcaggca   180
acctgaatac agggacatga gagatggctt tagaagaaaa agtttctact cttcccatta   240
tgcgagagag cgggtctcctt ataaaaggga caatactttt ttcagagaat cacctgttgg   300
ccgaaaggat tctccacaca gcanatctgg ttccagtgtc agtagcanaa gctctctcca   360
gaaaggagca aatcatactc tttccatcag tctcaacata gaaataaaga gaggcctgtc   420
agtctttgaa aacatcaaga gatacttccc ctcaagtggg tcacagttct tctcaaaggg   480
gtagacaaac ccagtaggta
```

<210> 215

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 215

```
gcctgtggga gcccgtggcc tttaaagtgc cgttcagcct tttcctccag ggggtgctttg    60
taaacacggc tgtgctcagg gctcgcggtt gaccgaaagg atcatgaact agtgacctgg   120
aaagggtact agatggaaac ttgagaaagg actgcttatt gataacagct aagggtattcc   180
tggaagcaga gtaaataaag ctcatggccc accagctaga aagtattctt gccatgagaa   240
aaagaatgtg ataagttatt caacttatga aattcaagtt acatgtgaat tctgccaggc   300
aatacaagga cctgtggaat atgagtgatg acaaaccctt tctatgtact gcgcctggat   360
gtggccagcg ttttaccacac gaggatcatt tggctgtcca taaacataaa catgagatga   420
cactgaaatt tgggtccanca cgtaatgaca gtgtcattgt ggctgatcag accccaacac   480
caacaagatt cttgaaaaac t
```

<210> 216

<211> 501

<212> DNA

<213> Homo sapien

<400> 216

```
aggcggcctt gggggcatct gcattggagt tgggggtgcc gatgctgtgg atgtcatggc    60
tgggatcccc tgggagttga agtgcccaa ggtgattggc gtgaagctga cgggctctct   120
ctccggttgg tcctcaccac aagatgtgat cctgaagggt gcaggcatcc tcacggtgaa   180
agggtggcac ggtgcaatcg tggaaatacca ogggcctggg gtagactcca tctcctgcac   240
tggcatggcg acaatctgca acatgggtgc agaaattggg gccaccactt ccgtgttccc   300
ttacaaccac aggatgaaga agtacctgag caagaccggc cgggaagaca ttgccaatct   360
agctgatgaa ttcaaggatc acttggtgcc tgaccctggc tgccattatg accaactaat   420
tgaaattaac ctcagtgagc tgaagccaca catcaatggg cccttcaccc ctgacctgct   480
cacctgtggg cagaagtggg c
```

<210> 217

<211> 408

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(408)

<223> n = A,T,C or G

<400> 217

gctacacctg	gacgtgacgt	ggggctggga	gcaactggggc	gggatcctgc	cacagtcgct	60
ggacctgttg	ctctgcatca	acatggcccc	tgtcagcccc	ctgcgctgca	cggaggaacc	120
cagaatgggg	gcttcgggac	acagccctcc	tggaggacct	gggaaaggcc	agtggcctgc	180
tcttgagag	gatggtggac	atgccagcca	acaacaaatg	cctgatcttc	cggaaaaact	240
aagccccctc	ttcaccctcg	cacacctgca	tccctgccgg	angctctgtg	aggcacgaac	300
cctgcctccc	taggccggac	cttgtggacg	acagccccac	ccagtctgtg	ctctcagccg	360
ntggccgaag	ggccancct	gtcagaata	aacatgtcct	gctgccgg		408

<210> 218

<211> 402

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(402)

<223> n = A,T,C or G

<400> 218

tgcttgtctc	aaagattaag	ccatgcatgt	ctaagtacgc	acggccggta	tcttgcctccg	60
cctgcccag	gnggccatgg	ntaccgggca	gnggttggtc	cagcggttct	tttataccaa	120
gtccttcgtg	aagcactcca	tggagcatgt	gtcaatggcc	tgtgtccacc	tggctttcaa	180
gatagaagag	gccccaaagac	gcatacggga	cgtcatcaat	gtgtttcacc	cgccttcgac	240
agctgagaga	caaaaaagaag	cccgtgcctc	tactactgga	tcaagattat	gttaatttaa	300
agaacccaat	tataaaggcg	ggnaagacna	ttcttcaaaa	agatgggntt	ctgcgnccat	360
gtgaagcatn	ctcataagan	aatcgntatg	taccttcagg	gg		402

<210> 219

<211> 486

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(486)

<223> n = A,T,C or G

<400> 219

aatgctgcgg	agattgaggt	gtcggttcgt	gctgctgagc	tgcccaggct	tcacggagcg	60
gtgttgga	tcaatagctc	ttctagcctt	tgcatgtttt	aaatataata	gtgtcattgg	120
actaagatgt	tcctgatgcc	aacctcttca	gagttaaaca	gtgggcagaa	cttcctaacc	180
cagtggatga	ccaatccttc	tccggctggg	gtcatattaa	atcgtggatt	tcctattttg	240
gaagcagaca	aagagaagcg	agcagcttgt	ggacatttct	accagctttt	nctattaaaa	300
ggcacacatt	tttctgatag	cttcagcttt	tataaatgaa	gaaaaattca	cttcttgaag	360
aacagaagtt	ggagtcaaac	aacacttaca	aaccacagtc	agataaatct	gaaaccata	420

cagcctttcc ttgcattaaa aagggaccnc aggtngcggn atgggtccagt gtccttgagc 480
nccccg 486

<210> 220
<211> 380
<212> DNA
<213> Homo sapien

<400> 220
ggcggattag ccttcgcggg gcaaaatgga gctcgaggcc atgagcagat ataccagccc 60
agtgaaccca gctgtcttcc cccatctgac cgtggtgctt ttggccattg gcatgttctt 120
caccgcctgg ttcttcgttt acgaggtcac ctctaccaag tacactcgtg atatctataa 180
agagctcctc atctccttag tggcctcact cttcatgggc ttgggagtcc tcttcctgct 240
gctctgggtt ggcatctacg tgtgagcacc caagggtaac aaccagatgg cttcactgaa 300
acctgctttt gtaaattact tttttttact gttgctggaa gtgtcccacc tgctgctcat 360
aataaatgca gatgtatagc 380

<210> 221
<211> 406
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

<400> 221
gcggtattagc cttcgcgggg caaaatggag ctcgaggcca tgagcagata taccagccca 60
gtgaaccag ctgtcttccc ccatctgacc gtggtgcttt ttggccattg catgttcttc 120
accgcctggt tcttcgttta cggangtcacc tctaccaagt acactcgtga tatctataaa 180
gagctcctca tctccttagt ggccctcact ttcctgggct ttggagtcct cttcctgctg 240
ctctgggttg gcatctacgt gtgagcacc aagggtaac accagatggc ttcactgaaa 300
cctgcttttg taaattactt ttttttactg ttgctggaag tgtccacct gctgctcata 360
ataaatgcag atgtatagcc ctatagnag cgtattacaa ttcact 406

<210> 222
<211> 501
<212> DNA
<213> Homo sapien

<400> 222
aatggcggtg gttggtgtgt cctcggtttc tcggtgctg ggtcggtccc gccacagct 60
ggggcgccct atgtcgagt gcgcccattg cgaagagggc tcagctcgca tgtggaagac 120
tctcaccttc ttctgcgcgc tccccggggt ggcagtcagc atgctgaatg tgtacctgaa 180
gtcgaccac ggagagcacg agagaccoga gttcatcgcc taccctcatc tccgcatcag 240
gaccaagccg tttccctggg gagatggtaa ccatactcta ttccataacc ctcatgtgaa 300
tccacttcca actggctacg aagatgaata aagagaatct ggaccactac ccgggcacca 360
gggaccacag cactggtttg gaccgttact ctgcacatgg accagaaaaa gtatatggga 420
ccttaagctc acctcttcta cttgtatcaa atgatgactg gtatactggt ctcccatccc 480
tttgcttggt gcaggagatg g 501

<210> 223
<211> 455

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(455)

<223> n = A,T,C or G

<400> 223

aatcttatgc	aaaagggaca	caggggttca	aaaataaaaa	tttctcttcc	ccctccccaa	60
acctgtaccc	cagctccccg	accacaaccc	ccttctctcc	ccggggaaag	caagaaggag	120
caggtgtggc	atctgcagct	gggaananag	aggccgggga	ggtgccgagc	tcggtgctgg	180
tctctttcca	aatataaata	cgtgtgtcan	aactggaaaa	tcctccagca	cccaccaccc	240
aagcactctc	cgttttctgc	cggtgtttgg	agaggggcgg	ggggcagggg	cgccaggcac	300
gggctggctg	cggtctactg	catccgctgg	gtgtgcaccc	cgcgagcctc	ctgctgctca	360
ttgtagaaga	gatgacactc	gggggtccccc	cgggatggng	ggggctccct	ggatcagctt	420
tccgngngnt	ggggttcaca	caccagcact	tccca			455

<210> 224

<211> 507

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(507)

<223> n = A,T,C or G

<400> 224

ttaccacac	ccattgtagc	ccttgggtgn	gggatgtgcc	ctgtccctgc	agggccaaaa	60
gggtccatgt	ttccctcaaa	tctcaaagca	gtcctggccc	aggctgcagg	caggaggga	120
gtcgtgacct	cttggcaggc	tcagtccctgc	agctgcccc	agcagccana	ctgtccctgg	180
ggctcgtcca	ggcccggg	ctggctggga	ggggagggtg	ctggcaggtc	ttggcatgga	240
ggaaaanagc	tgctgcaggg	cctntcgggg	gaggggttgg	ccaagtaggc	attcaccagc	300
tgcattgatct	cttccacctg	ggggctctgc	aggaggagct	ggntctctcc	caccctcaag	360
gccagggtgn	gggggcccat	tagctggcag	gcggccacat	ggccatagct	gacactgngg	420
atgggctccg	tctccctgg	ccggganagg	gacatggcct	tggctcccaa	gcccaggcac	480
agtttntggg	ggagcacccc	gaccagg				507

<210> 225

<211> 572

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(572)

<223> n = A,T,C or G

<400> 225

aaacctccct	taaagattct	ttgatgcttt	gtctatcac	tgtanacctg	gtctttttcc	60
ccccagtttt	ttctttttta	cattctgggt	tgctattttc	anattaataa	tttcatgacc	120
ccatcacagt	acaaaaatc	cccccaaat	gaagttcaaa	tttcatcaaa	acataaatca	180
gagngagnga	gtaaaattat	aaaggccagg	cagcaggaaa	agtcaccctc	aactaccatn	240

```

tgactgggtca ggtctcacc c atgccaaagg gggcaggaag agganaaaatc tattatacat 300
gcaacactga actggggaac atggcttggg gcctccagga cagttcaggt cccaagcta 360
acccctact tccanacag ctgctcgtac agtttgggca catagtcac cactcgcc 420
tggtaacacg tgccagccac cggggccctg agctcact ttttacggaa ggacgccacc 480
ttgaatttgc cacgnggnc tccanancgg ttgctgaaga tgggctcnc acactttagc 540
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<211> 401

<212> DNA

<213> Homo sapien

<400> 226

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<212> DNA

<213> Homo sapiens

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<210> 233

<211> 611

<213> Homo sapiens

<400> 233

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Gln	Asp	Asn	Arg	Pro	Ser	Gly	Leu	Ile	Arg	Thr	Tyr	Leu	Gly	Arg	Ser
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Pro	Leu	Val	Ser	Gly	Asp	Glu	Ser	Ser	Leu	Leu	Leu	Asn	Ala	Ala	Ser
		35					40					45			
Thr	Val	Ala	Arg	Pro	Val	Phe	Thr	Glu	Tyr	Gln	Ala	Ser	Ala	Phe	Gly
	50					55				60					
Asn	Val	Lys	Leu	Val	Val	His	Asp	Cys	Pro	Val	Trp	Asp	Ile	Phe	Asp
65				70					75					80	
Ser	Asp	Trp	Tyr	Thr	Ser	Arg	Asn	Leu	Ile	Gly	Gly	Ala	Asp	Ile	Ile
				85				90						95	
Val	Ile	Lys	Tyr	Asn	Val	Asn	Asp	Lys	Phe	Ser	Phe	His	Glu	Val	Lys
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Asp	Asn	Tyr	Ile	Pro	Val	Ile	Lys	Arg	Ala	Leu	Asn	Ser	Val	Pro	Val
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Ile	Ile	Ala	Ala	Val	Gly	Thr	Arg	Gln	Asn	Glu	Glu	Leu	Pro	Cys	Thr
	130					135					140				
Cys	Pro	Leu	Cys	Thr	Ser	Asp	Arg	Gly	Ser	Cys	Val	Ser	Thr	Thr	Glu
145				150					155						160
Gly	Ile	Gln	Leu	Ala	Lys	Glu	Leu	Gly	Ala	Thr	Tyr	Leu	Glu	Leu	His
			165					170					175		
Ser	Leu	Asp	Asp	Phe	Tyr	Ile	Gly	Lys	Tyr	Phe	Gly	Gly	Val	Leu	Glu
			180					185					190		
Tyr	Phe	Met	Ile	Gln	Ala	Leu	Asn	Gln	Lys	Thr	Ser	Glu	Lys	Met	Lys
		195					200					205			
Lys	Arg	Lys	Met	Ser	Asn	Ser	Phe	His	Gly	Ile	Arg	Pro	Pro	Gln	Leu
	210				215						220				
Glu	Gln	Pro	Glu	Lys	Met	Pro	Val	Leu	Lys	Ala	Glu	Ala	Ser	His	Tyr
225				230						235					240
Asn	Ser	Asp	Leu	Asn	Asn	Leu	Leu	Phe	Cys	Cys	Gln	Cys	Val	Asp	Val
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Val	Phe	Tyr	Asn	Pro	Asp	Leu	Lys	Lys	Val	Val	Glu	Ala	His	Lys	Ile
			260					265					270		
Val	Leu	Cys	Ala	Val	Ser	His	Val	Phe	Met	Leu	Leu	Phe	Asn	Val	Lys
		275					280					285			
Ser	Pro	Thr	Asp	Ile	Gln	Asp	Ser	Ser	Ile	Ile	Arg	Thr	Thr	Gln	Asp
	290				295						300				
Leu	Phe	Ala	Ile	Asn	Arg	Asp	Thr	Ala	Phe	Pro	Gly	Ala	Ser	His	Glu
305				310						315					320
Ser	Ser	Gly	Asn	Pro	Pro	Leu	Arg	Val	Ile	Val	Lys	Asp	Ala	Leu	Phe
			325						330					335	
Cys	Ser	Cys	Leu	Ser	Asp	Ile	Leu	Arg	Phe	Ile	Tyr	Ser	Gly	Ala	Phe
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Gln	Trp	Glu	Glu	Leu	Glu										

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<210> 234
<211> 494
<212> PRT
<213> Homo sapiens
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<400> 234															
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Ser	Leu	Ser	Thr	Asn	Gly	Leu	Gly	Ser	Ser	Pro	Gly	Ser	Ala	Gly	His
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Met	Asn	Gly	Leu	Ser	His	Ser	Pro	Gly	Asn	Pro	Ser	Thr	Ile	Pro	Met
		35					40					45			
Lys	Asp	His	Asp	Ala	Ile	Lys	Leu	Phe	Ile	Gly	Gln	Ile	Pro	Arg	Asn
	50					55					60				
Leu	Asp	Glu	Lys	Asp	Leu	Lys	Pro	Leu	Phe	Glu	Glu	Phe	Gly	Lys	Ile
	65				70					75					80
Tyr	Glu	Leu	Thr	Val	Leu	Lys	Asp	Arg	Phe	Thr	Gly	Met	His	Lys	Gly
				85					90					95	
Cys	Ala	Phe	Leu	Thr	Tyr	Cys	Glu	Arg	Glu	Ser	Ala	Leu	Lys	Ala	Gln
			100					105					110		
Ser	Ala	Leu	His	Glu	Gln	Lys	Thr	Leu	Pro	Gly	Met	Asn	Arg	Pro	Ile
		115					120					125			
Gln	Val	Lys	Pro	Ala	Asp	Ser	Glu	Ser	Arg	Gly	Asp	Arg	Lys	Leu	Phe
	130					135					140				

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Val Gly Met Leu Asn Lys Gln Gln Ser Glu Asp Asp Val Arg Arg Leu
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Phe Glu Ala Phe Gly Asn Ile Glu Glu Cys Thr Ile Leu Arg Gly Pro
                      165                      170                      175
Asp Gly Asn Ser Lys Gly Cys Ala Phe Val Lys Tyr Ser Ser His Ala
                      180                      185                      190
Glu Ala Gln Ala Ala Ile Asn Ala Leu His Gly Ser Gln Thr Met Pro
                      195                      200                      205
Gly Ala Ser Ser Ser Leu Val Val Lys Phe Ala Asp Thr Asp Lys Glu
210                      215                      220
Arg Thr Met Arg Arg Met Gln Gln Met Ala Gly Gln Met Gly Met Phe
225                      230                      235                      240
Asn Pro Met Ala Ile Pro Phe Gly Ala Tyr Gly Ala Tyr Ala Gln Ala
                      245                      250                      255
Leu Met Gln Gln Gln Ala Ala Leu Met Ala Ser Val Ala Gln Gly Gly
260                      265                      270
Tyr Leu Asn Pro Met Ala Ala Phe Ala Ala Ala Gln Met Gln Gln Met
275                      280                      285
Ala Ala Leu Asn Met Asn Gly Leu Ala Ala Ala Pro Met Thr Pro Thr
290                      295                      300
Ser Gly Gly Ser Thr Pro Pro Gly Ile Thr Ala Pro Ala Val Pro Ser
305                      310                      315                      320
Ile Pro Ser Pro Ile Gly Val Asn Gly Phe Thr Gly Leu Pro Pro Gln
                      325                      330                      335
Ala Asn Gly Gln Pro Ala Ala Glu Ala Val Phe Ala Asn Gly Ile His
340                      345                      350
Pro Tyr Pro Ala Gln Ser Pro Thr Ala Ala Asp Pro Leu Gln Gln Ala
355                      360                      365
Tyr Ala Gly Val Gln Gln Tyr Ala Gly Pro Ala Tyr Pro Ala Ala Tyr
370                      375                      380
Gly Gln Ile Ser Gln Ala Phe Pro Gln Pro Pro Pro Met Ile Pro Gln
385                      390                      395                      400
Gln Gln Arg Glu Gly Pro Glu Gly Cys Asn Leu Phe Ile Tyr His Leu
405                      410                      415
Pro Gln Glu Phe Gly Asp Ala Glu Leu Met Gln Met Phe Leu Pro Phe
420                      425                      430
Gly Asn Val Ile Ser Ser Lys Val Phe Val Asp Arg Ala Thr Asn Gln
435                      440                      445
Ser Lys Cys Phe Gly Phe Val Ser Phe Asp Asn Pro Ala Ser Ala Gln
450                      455                      460
Thr Ala Ile Gln Ala Met Asn Gly Phe Gln Ile Gly Met Lys Arg Leu
465                      470                      475                      480
Lys Val Gln Leu Lys Arg Pro Lys Asp Ala Asn Arg Pro Tyr
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<210> 235

<211> 826

<212> PRT

<213> Homo sapiens

<400> 235

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Glu	Ser	Glu	Val	Phe	Tyr	Glu	Leu	Ala	His	Gln	Leu	Pro	Leu
		35					40				45		
Asn	Val	Ser	Ser	His	Leu	Asp	Lys	Ala	Ser	Val	Met	Arg	Leu
	50					55					60		
Ser	Tyr	Leu	Arg	Val	Arg	Lys	Leu	Leu	Asp	Ala	Gly	Asp	Leu
	65				70					75			
Glu	Asp	Asp	Met	Lys	Ala	Gln	Met	Asn	Cys	Phe	Tyr	Leu	Lys
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Asp	Gly	Phe	Val	Met	Val	Leu	Thr	Asp	Asp	Gly	Asp	Met	Ile
			100					105					110
Ser	Asp	Asn	Val	Asn	Lys	Tyr	Met	Gly	Leu	Thr	Gln	Phe	Glu
		115					120					125	
Gly	His	Ser	Val	Phe	Asp	Phe	Thr	His	Pro	Cys	Asp	His	Glu
	130					135					140		
Arg	Glu	Met	Leu	Thr	His	Arg	Asn	Gly	Leu	Val	Lys	Lys	Gly
	145				150					155			
Gln	Asn	Thr	Gln	Arg	Ser	Phe	Phe	Leu	Arg	Met	Lys	Cys	Thr
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Ser	Arg	Gly	Arg	Thr	Met	Asn	Ile	Lys	Ser	Ala	Thr	Trp	Lys
			180					185					190
His	Cys	Thr	Gly	His	Ile	His	Val	Tyr	Asp	Thr	Asn	Ser	Asn
	195						200					205	
Gln	Cys	Gly	Tyr	Lys	Lys	Pro	Pro	Met	Thr	Cys	Leu	Val	Leu
	210					215					220		
Glu	Pro	Ile	Pro	His	Pro	Ser	Asn	Ile	Glu	Ile	Pro	Leu	Asp
	225				230					235			
Thr	Phe	Leu	Ser	Arg	His	Ser	Leu	Asp	Met	Lys	Phe	Ser	Tyr
				245					250				255
Glu	Arg	Ile	Thr	Glu	Leu	Met	Gly	Tyr	Glu	Pro	Glu	Glu	Leu
			260					265					270
Arg	Ser	Ile	Tyr	Glu	Tyr	Tyr	His	Ala	Leu	Asp	Ser	Asp	His
		275					280					285	
Lys	Thr	His	His	Asp	Met	Phe	Thr	Lys	Gly	Gln	Val	Thr	Thr
	290					295					300		
Tyr	Arg	Met	Leu	Ala	Lys	Arg	Gly	Gly	Tyr	Val	Trp	Val	Glu
	305				310					315			
Ala	Thr	Val	Ile	Tyr	Asn	Thr	Lys	Asn	Ser	Gln	Pro	Gln	Cys
				325					330				335
Cys	Val	Asn	Tyr	Val	Val	Ser	Gly	Ile	Ile	Gln	His	Asp	Leu
			340					345				350	
Ser	Leu	Gln	Gln	Thr	Glu	Cys	Val	Leu	Lys	Pro	Val	Glu	Ser
		355					360					365	
Met	Lys	Met	Thr	Gln	Leu	Phe	Thr	Lys	Val	Glu	Ser	Glu	Asp
	370					375					380		
Ser	Leu	Phe	Asp	Lys	Leu	Lys	Lys	Glu	Pro	Asp	Ala	Leu	Thr
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Ala	Pro	Ala	Ala	Gly	Asp	Thr	Ile	Ile	Ser	Leu	Asp	Phe	Gly
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Asp	Thr	Glu	Thr										

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 465 470 475 480
 Asn Pro Glu Ser Leu Glu Leu Ser Phe Thr Met Pro Gln Ile Gln Asp
 485 490 495
 Gln Thr Pro Ser Pro Ser Asp Gly Ser Thr Arg Gln Ser Ser Pro Glu
 500 505 510
 Pro Asn Ser Pro Ser Glu Tyr Cys Phe Tyr Val Asp Ser Asp Met Val
 515 520 525
 Asn Glu Phe Lys Leu Glu Leu Val Glu Lys Leu Phe Ala Glu Asp Thr
 530 535 540
 Glu Ala Lys Asn Pro Phe Ser Thr Gln Asp Thr Asp Leu Asp Leu Glu
 545 550 555 560
 Met Leu Ala Pro Tyr Ile Pro Met Asp Asp Phe Gln Leu Arg Ser
 565 570 575
 Phe Asp Gln Leu Ser Pro Leu Glu Ser Ser Ser Ala Ser Pro Glu Ser
 580 585 590
 Ala Ser Pro Gln Ser Thr Val Thr Val Phe Gln Gln Thr Gln Ile Gln
 595 600 605
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 610 615 620
 Lys Thr Val Thr Lys Asp Arg Met Glu Asp Ile Lys Ile Leu Ile Ala
 625 630 635 640
 Ser Pro Ser Pro Thr His Ile His Lys Glu Thr Thr Ser Ala Thr Ser
 645 650 655
 Ser Pro Tyr Arg Asp Thr Gln Ser Arg Thr Ala Ser Pro Asn Arg Ala
 660 665 670
 Gly Lys Gly Val Ile Glu Gln Thr Glu Lys Ser His Pro Arg Ser Pro
 675 680 685
 Asn Val Leu Ser Val Ala Leu Ser Gln Arg Thr Thr Val Pro Glu Glu
 690 695 700
 Glu Leu Asn Pro Lys Ile Leu Ala Leu Gln Asn Ala Gln Arg Lys Arg
 705 710 715 720
 Lys Met Glu His Asp Gly Ser Leu Phe Gln Ala Val Gly Ile Gly Thr
 725 730 735
 Leu Leu Gln Gln Pro Asp Asp His Ala Ala Thr Thr Ser Leu Ser Trp
 740 745 750
 Lys Arg Val Lys Gly Cys Lys Ser Ser Glu Gln Asn Gly Met Glu Gln
 755 760 765
 Lys Thr Ile Ile Leu Ile Pro Ser Asp Leu Ala Cys Arg Leu Leu Gly
 770 775 780
 Gln Ser Met Asp Glu Ser Gly Leu Pro Gln Leu Thr Ser Tyr Asp Cys
 785 790 795 800
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 Glu Leu Leu Arg Ala Leu Asp Gln Val Asn
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<210> 236

<211> 342

<212> PRT

<213> Homo sapiens

<400> 236

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      20      25      30
Leu Arg Glu Lys Val Met Lys Gln Ser Glu Glu Asn Asn Asn Leu Gln
      35      40      45
Ser Gln Val Gln Lys Leu Thr Glu Glu Asn Thr Thr Leu Arg Glu Gln
      50      55      60
Val Glu Pro Thr Pro Glu Asp Glu Asp Asp Ile Glu Leu Arg Gly
      65      70      75      80
Ala Ala Ala Ala Ala Ala Pro Pro Pro Pro Ile Glu Glu Glu Cys Pro
      85      90      95
Glu Asp Leu Pro Glu Lys Phe Asp Gly Asn Pro Asp Met Leu Ala Pro
      100      105      110
Phe Met Ala Gln Cys Gln Ile Phe Met Glu Lys Ser Thr Arg Asp Phe
      115      120      125
Ser Val Asp Arg Val Arg Val Cys Phe Val Thr Ser Met Met Thr Gly
      130      135      140
Arg Ala Ala Arg Trp Ala Ser Ala Lys Leu Glu Arg Ser His Tyr Leu
      145      150      155      160
Met His Asn Tyr Pro Ala Phe Met Met Glu Met Lys His Val Phe Glu
      165      170      175
Asp Pro Gln Arg Arg Glu Val Ala Lys Arg Lys Ile Arg Arg Leu Arg
      180      185      190
Gln Gly Met Gly Ser Val Ile Asp Tyr Ser Asn Ala Phe Gln Met Ile
      195      200      205
Ala Gln Asp Leu Asp Trp Asn Glu Pro Ala Leu Ile Asp Gln Tyr His
      210      215      220
Glu Gly Leu Ser Asp His Ile Gln Glu Glu Leu Ser His Leu Glu Val
      225      230      235      240
Ala Lys Ser Leu Ser Ala Leu Ile Gly Gln Cys Ile His Ile Glu Arg
      245      250      255
Arg Leu Ala Arg Ala Ala Ala Ala Arg Lys Pro Arg Ser Pro Pro Arg
      260      265      270
Ala Leu Val Leu Pro His Ile Ala Ser His His Gln Val Asp Pro Thr
      275      280      285
Glu Pro Val Gly Gly Ala Arg Met Arg Leu Thr Gln Glu Glu Lys Glu
      290      295      300
Arg Arg Arg Lys Leu Asn Leu Cys Leu Tyr Cys Gly Thr Gly Gly His
      305      310      315      320
Tyr Ala Asp Asn Cys Pro Ala Lys Ala Ser Lys Ser Ser Pro Ala Gly
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Asn Ser Pro Ala Pro Leu
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<210> 237

<211> 403

<212> DNA

<213> Homo sapiens

<400> 237

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<210> 238

<211> 183

<212> DNA

<213> Homo sapiens

<400> 238

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tcaataatga cgtatgttcc catagtaacg ccaataggga ctttccattg acgtcaatgg 180
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<210> 239

<211> 403

<212> DNA

<213> Homo sapiens

<400> 239

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<210> 240

<211> 3148

<212> DNA

<213> Homo sapiens

<400> 240

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<210> 241

<211> 283

<212> DNA

<213> Homo sapiens

<400> 241

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<211> 5526

<212> DNA

<400> 242

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<211> 303

<212> DNA

<213> Homo sapiens

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303

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 tgtaaatgaa atcaagttcc agtaacccaa atcttggtta caaaatattc gtggtatctg 2220
 tgaacatgtt aagagtaatt tggatgtggg ggtgggggtg gagaaagggg aagtgggtcca 2280
 gaaacaaaaa gccccattgg gcatgataag ccgaggaggc attcttccta aaagtagact 2340
 tttgtgtaaa aagcaaaggt tacatgtgag tattaataaa gaagataata aat 2393

<210> 245
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 245

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ccaacacagt cagaaacatt gttttgaatc ctctgtaaac caaggcatta atcttaataa 60
accaggatcc atttaggtac cacttgatat aaaaaggata tccataatga atattttata 120
ctgcatcctt tacattagcc actaaatacg ttattgcttg atgaagacct ttcacagaat 180
cctatggatt gcagcatttc acttggtctac ttcataccca tgccttaaag aggggcagtt 240
tctcaaaagc agaaacatgc cgccagttct caagttttcc tcctaactcc atttgaatgt 300
aagggcagct ggccccaat gtggggagggt ccgaacattt tctgaattcc cattttcttg 360
ttcgcggtta aatgacagtt tctgtcatta cttagattcc gatctttccc aaagtggttg 420
atttacaag aggccagcta atagcagaaa tcatgaccct gaaagagaga tga 473

```

<210> 246

<211> 513

<212> DNA

<213> Homo sapiens

<400> 246

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ggcattaact tttagaattt gggctggtga gattaatttt ttttaatatc ccagctagag 60
atatggcctt taactgacct aaagagggtgt gttgtgattt aattttttcc cgttcctttt 120
tcttcagtaa acccaacaat agtctaacct taaaaattga gttgatgtcc ttataggtca 180
ctacccttaa ataaacctga agcagggtgtt ttctcttgga catactaaaa aatacctaaa 240
aggaagctta gatggtctgt gacacaaaaa attcaattac tgtcatctaa tgccagctgt 300
taaaagtgtg gccactgagc atttgatttt ataggaaaaa atagtatttt tgagaataac 360
atagctgtgc tattgcacat ctggttgagg acatcccaga ttgctttata ctcagtgctc 420
gtgatattga gtttaaggat ttgaggcagg ggtaattatt aaacatattg cttctattct 480
tggaataata gaagtgtaaa atggttaataa tac 513

```

<210> 247

<211> 533

<212> DNA

<213> Homo sapiens

<400> 247

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ccagtgtggt ggaattcgcg gtaggctggg accataacac aagcatgact atatgaagga 60
agaggaaggt tttcctgaag atgaggcgac tgaatcggaa aaaaacttta agtttggtta 120
aagagttgga tgctttccg aaggttcctg agagctatgt agagacttca gccagtggag 180
gtacagtttc tctaatagca tttacaacta tggctttatt aaccataatg gaattctcag 240
tatatcaaga tacatggatg aagtatgaat acgaagtaga caaggatttt tctagcaaat 300
taagaattaa tatagatatt actggttgcca tgaagtgtca atatgttgga gcggatgtat 360
tggaatttagc agaacaatg gttgcatctg cagatggttt agtttatgaa ccaacagtat 420
ttgatctttc accacagcag aaagagtggc agaggatgct gcagctgatt cagagtaggc 480
tacaagaaga gcattcactt caagatgtga tattttaaag tgctttttaa agt 533

```

<210> 248

<211> 1362

<212> DNA

<213> Homo sapiens

<400> 248

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gggaccggg cttctgtgaa acatggcggt aggctgggac cataacacaa gcatgactat 60
atgaaggaag aggaaggttt tcctgaagat gaggcgactg aatcggaaaa aaactttaag 120
tttggtaaaa gagttggatg cctttccgaa ggttcctgag agctatgtag agacttcagc 180
cagtggaggt acagtttctc taatagcatt tacaactatg gctttattaa ccataatgga 240
attctcagta tatcaagata catggatgaa gtatgaatac gaagtagaca aggatttttc 300
tagcaaatta agaattaata tagatattac tgttgccatg aagtgtcaat atgttgagc 360

```

```

ggatgtattg gatttagcag aaacaatggt tgcattctgca gatggtttag tttatgaacc 420
aacagtattt gatctttcac cacagcagaa agagtggcag aggatgctgc agctgattca 480
gagtaggcta caagaagagc attcacttca agatgtgata tttaaaagtg cttttaaaag 540
tacatcaaca gctcttcac caagagaaga tgattcatca cagtctccaa atgcatgcag 600
aattcatggc catctatatg tcaataaagt agcagggaat tttcacataa cagtgggcaa 660
ggcaattcca catcctcgtg gtcattgcaca tttgggcagc acttgtcaac catggaatct 720
tacaattttt tctcatagaa tagatcattt gtcttttgga gagcttggtc cagcaattat 780
taatccttta gatggaactg aaaaaattgc tatagatcac aaccagatgt tccaatattt 840
tattacagtt gtgccaacaa aactacatac atataaaata tcagcagaca cccatcagtt 900
ttctgtgaca gaaagggaac gtatcattaa ccatgctgca ggcagccatg gagtctctgg 960
gatattttatg aaatatgatc tcagttctct tatggtgaca gttactgagg agcacatgcc 1020
attctggcag ttttttgtaa gactctgtgg tattgttgga ggaatctttt caacaacagg 1080
catgttacat ggaattggaa aatttatagt tgaaataatt tgctgtcgtt tcagacttgg 1140
atcctataaaa cctgtcaatt ctgttccttt tgaggatggc cacacagaca accacttacc 1200
tcttttagaa aataatacac attaacacct cccgattgaa ggagaaaaac tttttgcctg 1260
agacataaaa ctttttttta ataataaaat attgtgcaat atattcaaag aaaagaaaac 1320
acaaataagc agaaaacata cttattttta aaaaaaaaaa aa 1362

```

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<210> 249
<211> 513
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

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<400> 249
ccagnngggt ggaattcctt agacatatct tgagcctaca gcagaggaac ctccagtctc 60
agcaccatga atcaaactgc cattctgatt tgctgcctta tctttctgac tctaagtggc 120
attcaaggag tacctctctc tagaactgta cgctgtacct gcatcagcat tagtaatcaa 180
cctgttaatc caaggtcttt agaaaaactt gaaattattc ctgcaagcca attttgtcca 240
cgtgttgaga tcattgctac aatgaaaaag aagggtgaga agagatgtct gaatccagaa 300
tcgaaggcca tcaagaattt actgaaagca gtttagcaagg aaaggctctaa aagatctcct 360
taaaaccaga ggggagcaaa atcgatgcag tgcttccaag gatggaccac acagaggctg 420
cctctcccat cacttcccta catggagtat atgtcaagcc ataattgttc ttagtttgca 480
gttacactaa aaggtagacca atcatggtca cca 513

```

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<210> 250
<211> 1172
<212> DNA
<213> Homo sapiens

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```

<400> 250
gagacattcc tcaattgctt agacatatct tgagcctaca gcagaggaac ctccagtctc 60
agcaccatga atcaaactgc gattctgatt tgctgcctta tctttctgac tctaagtggc 120
attcaaggag tacctctctc tagaacgta cgctgtacct gcatcagcat tagtaatcaa 180
cctgttaatc caaggtcttt agaaaaactt gaaattattc ctgcaagcca attttgtcca 240
cgtgttgaga tcattgctac aatgaaaaag aagggtgaga agagatgtct gaatccagaa 300
tcgaaggcca tcaagaattt actgaaagca gtttagcaagg aaatgtctaa aagatctcct 360
taaaaccaga ggggagcaaa atcgatgcag tgcttccaag gatggaccac acagaggctg 420
cctctcccat cacttcccta catggagtat atgtcaagcc ataattgttc ttagtttgca 480
gttacactaa aaggtagacca atgatggtca ccaaatacgc tgctactact cctgtaggaa 540

```

```

ggttaatgtt catcatccta agctattcag taataactct accctggcac tataatgtaa 600
gctctactga ggtgctatgt tcttagtgga tgttctgacc ctgcttcaaa tatttccttc 660
acctttccca tcttccaagg gtactaagga atctttctgc tttgggggtt atcagaattc 720
tcagaatctc aaataactaa aaggatgca atcaaactcg ctttttaaag aatgctcttt 780
acttcatgga cttccactgc catcctccca aggggcccaa attctttcag tggctacct 840
catacaattc caaacacata caggaaggta gaaatatctg aaaatgtatg tgtaagtatt 900
cttattttaat gaaagactgt acaaagtata agtcttagat gtatatattt cctatattgt 960
tttcagtgtg catggaataa catgtaatta agtactatgt atcaatgagt aacaggaaaa 1020
ttttaaaaat acagatagat atatgctctg catgttacat aagataaatg tgctgaatgg 1080
ttttcaaata aaaatgaggt actctcctgg aaatattaag aaagactatc taaatgttga 1140
aagatcaaaa ggttaataaa gtaattataa ct 1172

```

<210> 251

<211> 483

<212> DNA

<213> Homo sapiens

<400> 251

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atataccatt taatacattt acactttctt atttaagaag atattgaatg caaaataatt 60
gacatataga actttacaaa catatgtcca aggactctaa attgagactc ttccacatgt 120
acaatctcat catcctgaag cctataatga agaaaaagat ctagaaactg agttgtggag 180
ctgactctaa tcaaatgtga tgattggaat tagaccattt ggcctttgaa ctttcatagg 240
aaaaatgacc caacatttct tagcatgagc tacctcatct ctagaagctg ggatggactt 300
actattcttg tttatatttt agatactgaa aggtgctatg cttctgttat tattccaaga 360
ctggagatag gcagggctaa aaaggatta ttatttttcc tttaatgatg gtgctaaaaat 420
tcttcctata aaattcctta aaaataaaga tgggtttaatc actaccattg tgaaaacata 480
act 483

```

<210> 252

<211> 156

<212> PRT

<213> Homo sapiens

<400> 252

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Met Ser Gly Gly Leu Leu Lys Ala Leu Arg Ser Asp Ser Tyr Val Glu
                    5              10              15
Leu Ser Gln Tyr Arg Asp Gln His Phe Arg Gly Asp Asn Glu Glu Gln
                    20              25              30
Glu Lys Leu Leu Lys Lys Ser Cys Thr Leu Tyr Val Gly Asn Leu Ser
                    35              40              45
Phe Tyr Thr Thr Glu Glu Gln Ile Tyr Glu Leu Phe Ser Lys Ser Gly
                    50              55              60
Asp Ile Lys Lys Ile Ile Met Gly Leu Asp Lys Met Lys Lys Thr Ala
                    65              70              75              80
Cys Gly Phe Cys Phe Val Glu Tyr Tyr Ser Arg Ala Asp Ala Glu Asn
                    85              90              95
Ala Met Arg Tyr Ile Asn Gly Thr Arg Leu Asp Asp Arg Ile Ile Arg
                    100             105             110
Thr Asp Trp Asp Ala Gly Phe Lys Glu Gly Arg Gln Tyr Gly Arg Gly
                    115             120             125
Arg Ser Gly Gly Gln Val Arg Asp Glu Tyr Arg Gln Asp Tyr Asp Ala
                    130             135             140
Gly Arg Gly Gly Tyr Gly Lys Leu Ala Gln Asn Gln
145              150              155

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<210> 253
 <211> 370
 <212> PRT
 <213> Homo sapiens

<400> 253

Met	Ala	Glu	Pro	Val	Ser	Pro	Leu	Lys	His	Phe	Val	Leu	Ala	Lys	Lys
				5					10					15	
Ala	Ile	Thr	Ala	Val	Phe	Asp	Gln	Leu	Leu	Glu	Phe	Val	Thr	Glu	Gly
			20					25					30		
Ser	His	Phe	Val	Glu	Ala	Thr	Tyr	Lys	Asn	Pro	Glu	Leu	Asp	Arg	Ile
		35					40					45			
Ala	Thr	Glu	Asp	Asp	Leu	Val	Glu	Met	Gln	Gly	Tyr	Lys	Asp	Lys	Leu
	50					55					60				
Ser	Ile	Ile	Gly	Glu	Val	Leu	Ser	Arg	Arg	His	Met	Lys	Val	Ala	Phe
	65				70					75					80
Phe	Gly	Arg	Thr	Ser	Ser	Gly	Lys	Ser	Ser	Val	Ile	Asn	Ala	Met	Leu
				85					90					95	
Trp	Asp	Lys	Val	Leu	Pro	Ser	Gly	Ile	Gly	His	Ile	Thr	Asn	Cys	Phe
			100					105					110		
Leu	Ser	Val	Glu	Gly	Thr	Asp	Gly	Asp	Lys	Ala	Tyr	Leu	Met	Thr	Glu
		115					120					125			
Gly	Ser	Asp	Glu	Lys	Lys	Ser	Val	Lys	Thr	Val	Asn	Gln	Leu	Ala	His
	130					135					140				
Ala	Leu	His	Met	Asp	Lys	Asp	Leu	Lys	Ala	Gly	Cys	Leu	Val	Arg	Val
	145				150					155					160
Phe	Trp	Pro	Lys	Ala	Lys	Cys	Ala	Leu	Leu	Arg	Asp	Asp	Leu	Val	Leu
			165					170					175		
Val	Asp	Ser	Pro	Gly	Thr	Asp	Val	Thr	Thr	Glu	Leu	Asp	Ser	Trp	Ile
			180					185					190		
Asp	Lys	Phe	Cys	Leu	Asp	Ala	Asp	Val	Phe	Val	Leu	Val	Ala	Asn	Ser
	195					200						205			
Glu	Ser	Thr	Leu	Met	Asn	Thr	Glu	Lys	His	Phe	Phe	His	Lys	Val	Asn
	210					215					220				
Glu	Arg	Leu	Ser	Lys	Pro	Asn	Ile	Phe	Ile	Leu	Asn	Asn	Arg	Trp	Asp
	225				230					235					240
Ala	Ser	Ala	Ser	Glu	Pro	Glu	Tyr	Met	Glu	Asp	Val	Arg	Arg	Gln	His
			245						250					255	
Met	Glu	Arg	Cys	Leu	His	Phe	Leu	Val	Glu	Glu	Leu	Lys	Val	Val	Asn
			260				265						270		
Ala	Leu	Glu	Ala	Gln	Asn	Arg	Ile	Phe	Phe	Val	Ser	Ala	Lys	Glu	Val
	275						280					285			
Leu	Ser	Ala	Arg	Lys	Gln	Lys	Ala	Gln	Gly	Met	Pro	Glu	Ser	Gly	Val
	290					295					300				
Ala	Leu	Ala	Glu	Gly	Phe	His	Ala	Arg	Leu	Gln	Glu	Phe	Gln	Asn	Phe
	305				310					315					320
Glu	Gln	Ile	Phe	Glu	Glu	Cys	Ile	Ser	Gln	Ser	Ala	Val	Lys	Thr	Lys
			325						330					335	
Phe	Glu	Gln	His	Thr	Ile	Arg	Ala	Lys	Gln	Ile	Leu	Ala	Thr	Val	Lys
			340					345					350		
Asn	Ile	Met	Asp	Ser	Val	Asn	Leu	Ala	Ala	Glu	Asp	Lys	Arg	Phe	His
		355					360						365		

Val Gln
370

<210> 254
<211> 429
<212> PRT
<213> Homo sapiens

<400> 254
Gly Pro Trp Gly Ser Gly Val Gly Gly Gly Gly Thr Val Arg Leu Leu
 5 10 15
Leu Ile Leu Ser Gly Cys Leu Val Tyr Gly Thr Ala Glu Thr Asp Val
 20 25 30
Asn Val Val Met Leu Gln Glu Ser Gln Val Cys Glu Lys Arg Ala Ser
 35 40 45
Gln Gln Phe Cys Tyr Thr Asn Val Leu Ile Pro Lys Trp His Asp Ile
 50 55 60
Trp Thr Arg Ile Gln Ile Arg Val Asn Ser Ser Arg Leu Val Arg Val
 65 70 75 80
Thr Gln Val Glu Asn Glu Glu Lys Leu Lys Glu Leu Glu Gln Phe Ser
 85 90 95
Ile Trp Asn Phe Phe Ser Ser Phe Leu Lys Glu Lys Leu Asn Asp Thr
 100 105 110
Tyr Val Asn Val Gly Leu Tyr Ser Thr Lys Thr Cys Leu Lys Val Glu
 115 120 125
Ile Ile Glu Lys Asp Thr Lys Tyr Ser Val Ile Val Ile Arg Arg Phe
 130 135 140
Asp Pro Lys Leu Phe Leu Val Phe Leu Leu Gly Leu Met Leu Phe Phe
 145 150 155 160
Cys Gly Asp Leu Leu Ser Arg Ser Gln Ile Phe Tyr Tyr Ser Thr Gly
 165 170 175
Met Thr Val Gly Ile Val Ala Ser Leu Leu Ile Ile Ile Phe Ile Leu
 180 185 190
Ser Lys Phe Met Pro Lys Lys Ser Pro Ile Tyr Val Ile Leu Val Gly
 195 200 205
Gly Trp Ser Phe Ser Leu Tyr Leu Ile Gln Leu Val Phe Lys Asn Leu
 210 215 220
Gln Glu Ile Trp Arg Cys Tyr Trp Gln Tyr Leu Leu Ser Tyr Val Leu
 225 230 235 240
Thr Val Gly Phe Met Ser Phe Ala Val Cys Tyr Lys Tyr Gly Pro Leu
 245 250 255
Glu Asn Glu Arg Ser Ile Asn Leu Leu Thr Trp Thr Leu Gln Leu Met
 260 265 270
Gly Leu Cys Phe Met Tyr Ser Gly Ile Gln Ile Pro His Ile Ala Leu
 275 280 285
Ala Ile Ile Ile Ile Ala Leu Cys Thr Lys Asn Leu Glu His Pro Ile
 290 295 300
Gln Trp Leu Tyr Ile Thr Cys Arg Lys Val Cys Lys Gly Ala Glu Lys
 305 310 315 320
Pro Val Pro Pro Arg Leu Leu Thr Glu Glu Glu Tyr Arg Ile Gln Gly
 325 330 335
Glu Val Glu Thr Arg Lys Ala Leu Glu Glu Leu Arg Glu Phe Cys Asn
 340 345 350

Ser Pro Asp Cys Ser Ala Trp Lys Thr Val Ser Arg Ile Gln Ser Pro
 355 360 365
 Lys Arg Phe Ala Asp Phe Val Glu Gly Ser Ser His Leu Thr Pro Asn
 370 375 380
 Glu Val Ser Val His Glu Gln Glu Tyr Gly Leu Gly Ser Ile Ile Ala
 385 390 395 400
 Gln Asp Glu Ile Tyr Glu Glu Ala Ser Ser Glu Glu Glu Asp Ser Tyr
 405 410 415
 Ser Arg Cys Pro Ala Ile Thr Gln Asn Asn Phe Leu Thr
 420 425

<210> 255
 <211> 531
 <212> PRT
 <213> Homo sapiens

<400> 255
 Met Ser Arg Ser Pro Gln Arg Ala Leu Pro Pro Gly Ala Leu Pro Arg
 5 10 15
 Leu Leu Gln Ala Ala Pro Ala Ala Gln Pro Arg Ala Leu Leu Pro Gln
 20 25 30
 Trp Pro Arg Arg Pro Gly Arg Arg Trp Pro Ala Ser Pro Leu Gly Met
 35 40 45
 Lys Val Phe Arg Arg Lys Ala Leu Val Leu Cys Ala Gly Tyr Ala Leu
 50 55 60
 Leu Leu Val Leu Thr Met Leu Asn Leu Leu Asp Tyr Lys Trp His Lys
 65 70 75 80
 Glu Pro Leu Gln Gln Cys Asn Pro Asp Gly Pro Leu Gly Ala Ala Ala
 85 90 95
 Gly Ala Ala Gly Lys Leu Gly Ala Pro Arg Ala Ala Ser Gly Arg
 100 105 110
 Ala Ala Pro Cys Ser Cys Pro Phe Gly Pro Pro His Ser Leu Pro Pro
 115 120 125
 Ser Arg Cys Arg Arg Arg Gly Asp Thr Leu Gln Pro Arg Gln Gly Trp
 130 135 140
 Arg Gly Leu Arg Pro Leu Gln Ala Met Ala Leu Gly Ala Pro Glu Gly
 145 150 155 160
 Val Gly Asp Lys Arg His Trp Met Tyr Val Phe Thr Thr Trp Arg Ser
 165 170 175
 Gly Ser Ser Phe Phe Gly Glu Leu Phe Asn Gln Asn Pro Glu Val Phe
 180 185 190
 Phe Leu Tyr Glu Pro Val Trp His Val Trp Gln Lys Leu Tyr Pro Gly
 195 200 205
 Asp Ala Val Ser Leu Gln Gly Ala Ala Arg Asp Met Leu Ser Ala Leu
 210 215 220
 Tyr Arg Cys Asp Leu Ser Val Phe Gln Leu Tyr Ser Pro Ala Gly Ser
 225 230 235 240
 Gly Gly Arg Asn Leu Thr Thr Leu Gly Ile Phe Gly Ala Ala Thr Asn
 245 250 255
 Lys Val Val Cys Ser Ser Pro Leu Cys Pro Ala Tyr Arg Lys Glu Val
 260 265 270
 Val Gly Leu Val Asp Asp Arg Val Cys Lys Lys Cys Pro Pro Gln Arg
 275 280 285

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<210> 256
<211> 378
<212> PRT
<213> Homo sapiens
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<400> 256															
Met	Arg	Arg	Leu	Asn	Arg	Lys	Lys	Thr	Leu	Ser	Leu	Val	Lys	Glu	Leu
				5					10					15	
Asp	Ala	Phe	Pro	Lys	Val	Pro	Glu	Ser	Tyr	Val	Glu	Thr	Ser	Ala	Ser
			20					25					30		
Gly	Gly	Thr	Val	Ser	Leu	Ile	Ala	Phe	Thr	Thr	Met	Ala	Leu	Leu	Thr
		35					40					45			
Ile	Met	Glu	Phe	Ser	Val	Tyr	Gln	Asp	Thr	Trp	Met	Lys	Tyr	Glu	Tyr
	50					55					60				
Glu	Val	Asp	Lys	Asp	Phe	Ser	Ser	Lys	Leu	Arg	Ile	Asn	Ile	Asp	Ile
	65				70					75				80	
Thr	Val	Ala	Met	Lys	Cys	Gln	Tyr	Val	Gly	Ala	Asp	Val	Leu	Asp	Leu
				85					90					95	
Ala	Glu	Thr	Met	Val	Ala	Ser	Ala	Asp	Gly	Leu	Val	Tyr	Glu	Pro	Thr
			100					105					110		

Val Phe Asp Leu Ser Pro Gln Gln Lys Glu Trp Gln Arg Met Leu Gln
 115 120 125
 Leu Ile Gln Ser Arg Leu Gln Glu Glu His Ser Leu Gln Asp Val Ile
 130 135 140
 Phe Lys Ser Ala Phe Lys Ser Thr Ser Thr Ala Leu Pro Pro Arg Glu
 145 150 155 160
 Asp Asp Ser Ser Gln Ser Pro Asn Ala Cys Arg Ile His Gly His Leu
 165 170 175
 Tyr Val Asn Lys Val Ala Gly Asn Phe His Ile Thr Val Gly Lys Ala
 180 185 190
 Ile Pro His Pro Arg Gly His Ala His Leu Gly Ser Thr Cys Gln Pro
 195 200 205
 Trp Asn Leu Thr Ile Phe Ser His Arg Ile Asp His Leu Ser Phe Gly
 210 215 220
 Glu Leu Val Pro Ala Ile Ile Asn Pro Leu Asp Gly Thr Glu Lys Ile
 225 230 235 240
 Ala Ile Asp His Asn Gln Met Phe Gln Tyr Phe Ile Thr Val Val Pro
 245 250 255
 Thr Lys Leu His Thr Tyr Lys Ile Ser Ala Asp Thr His Gln Phe Ser
 260 265 270
 Val Thr Glu Arg Glu Arg Ile Ile Asn His Ala Ala Gly Ser His Gly
 275 280 285
 Val Ser Gly Ile Phe Met Lys Tyr Asp Leu Ser Ser Leu Met Val Thr
 290 295 300
 Val Thr Glu Glu His Met Pro Phe Trp Gln Phe Phe Val Arg Leu Cys
 305 310 315 320
 Gly Ile Val Gly Gly Ile Phe Ser Thr Thr Gly Met Leu His Gly Ile
 325 330 335
 Gly Lys Phe Ile Val Glu Ile Ile Cys Cys Arg Phe Arg Leu Gly Ser
 340 345 350
 Tyr Lys Pro Val Asn Ser Val Pro Phe Glu Asp Gly His Thr Asp Asn
 355 360 365
 His Leu Pro Leu Leu Glu Asn Asn Thr His
 370 375

<210> 257

<211> 98

<212> PRT

<213> Homo sapiens

<400> 257

Met Asn Gln Thr Ala Ile Leu Ile Cys Cys Leu Ile Phe Leu Thr Leu
 5 10 15
 Ser Gly Ile Gln Gly Val Pro Leu Ser Arg Thr Val Arg Cys Thr Cys
 20 25 30
 Ile Ser Ile Ser Asn Gln Pro Val Asn Pro Arg Ser Leu Glu Lys Leu
 35 40 45
 Glu Ile Ile Pro Ala Ser Gln Phe Cys Pro Arg Val Glu Ile Ile Ala
 50 55 60
 Thr Met Lys Lys Lys Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys
 65 70 75 80
 Ala Ile Lys Asn Leu Leu Lys Ala Val Ser Lys Glu Met Ser Lys Arg
 85 90 95

Ser Pro

<210> 258
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 258
 gaattcggca cgagggctgg aggctgagat gcaggagctc gccatccagc tgcacaagcg 60
 ctgcgaggag gtagaggcca cgcggggcca ggtgtgtcag gagcaggagc tgcgcgccgt 120
 ggtggagagc tgctgctgga gcaggaccgc gcccgcgagg acctccaggc ccggctgcgg 180
 gagacgtggg ccctggcccg ggatgctgcc ctgctcctgg accagctgcg agcctgtcaa 240
 gctgagctgt catctcgagt gaggcaggac cagccccctg gtacagccac tctgggccta 300
 gccgtcccc cagctgactc caagggtctg caagcgtccc tgcaggccat gagcctcccc 360
 gagctctcgg gagccctgga ggaccgtgtc cgtgagatgg ggcaagcact gtgcttagtg 420
 acccagagcc tggagaagct gcagggtgctg aacgggaaga agtggcgga gacctagcct 480
 gcggggccgaa tctgacgttg ggtgattggt ccacctgaa gctgtgtgcc 530

<210> 259
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 259
 gaattcggca cgaggccagt tcagtctgca agcgccagct cctctcatgg ccggcttacc 60
 caccgccttg ccaatgccca ggggcaaacc tcataccacc acctccagaa cactgatcat 120
 gacaaccaac aatcaggtag gtggtcctct ggccaccttc ccgctgggtg tccctgggaa 180
 cagcatccga gctgtgatat gcactagagg agattgatgg tcttttgaat tagaagagta 240
 actttttgag tatttggccca ttggtgtgtt gttctaggaa atcctctctt ttttgtggtg 300
 ttgaggtccc ccatgtatag tttcagcagc gaggacactg tggttcttg 349

<210> 260
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 260
 gaattcggca cgaggcaatc atggcgccac ctgtgagata ctgcatcccc ggcgaaacgtc 60
 tgtgtaactt ggaggagggc agcccgggca gcggcaccta caccgcccac ggctacatct 120
 ttctgctcgt tgccggctgt ctgatgaaga gcagcgagaa tggcgcgctt ccagtgggtg 180
 ctgtagtgag agaaacagag tcccagttac tgccagatgt gggagctatt gtaacctgta 240
 aggtctctag catcaattca cgctttgcca aagtacacat cctgtatgtg ggggtccatgc 300
 ctcttaagaa ctcttttcga ggaactatcc gcaaggaaga tgtccgagca actgaaaaag 360
 acaaggttga aatttataag agtttccgcc caggtgacat tgtcttgccc aaagtgatct 420
 ccttaggtga tgcacagtcc aactacctgc taaccaccgc cgagaacgag ctgggagtg 480
 tggtagccca cagttagtca ggtatccag 509

<210> 261
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 261

```

gaattcggca cgaggtgcat gttgtgtgag gatcccgggg ccgccgcgtc gtcggggccc 60
cgccatggcc gtcacccatca cgtcaaaaac gctgcagcag cagaccttca agatccgcat 120
ggagcctgac gagacggtga aggtgctaaa ggagaagata gaagctgaga agggtcgtga 180
tgccctcccc gtggctggac agaaactcat ctatgccggc aagatcttga gtgacgatgt 240
ccctatcagg gactatcgca tcgatgagaa gaactttgtg gtcgtcatgg tgaccaagac 300
caaagccggc cagggtagct cagcaccccc agaggcctca cccacagctg cccagagtc 360
ctctacatcc ttcccgctg cccccacctc aggcattgct catccccac ctgccgccag 420
agaggacaag agcccatcag aggaatccgc cccacgacg tccccagagt ctgtgtcagg 480
ctcttggttc ctcttcaggt aacaaccggg

```

<210> 262

<211> 432

<212> DNA

<213> Homo sapiens

<400> 262

```

gacatgtaat tcttatttat ttttcaccct caacaaggaa gaaagggtctc tccctcaatt 60
ctgctcttcc aataacttgag gataggcacc cctaaccctc cttoctccag ggaggcctca 120
gcatcagtggt ctgtggacgt agtctctgaa gagtgttca gctgatggg aaggagaaac 180
tcaagacaga gatcctccta gggatggcgt cactttcctg ccaactttct cgttgccctc 240
ccttgaaagc agaagaagtg ccagccctca gcttcctgca gatcttgggc tcctagggcc 300
ttgtacaagt ccatggccct ctggttccag tccaggacgg ccaggcggaa ttgggagcag 360
cccttatcca aggccacctc agccaccttt ttgattattt tggaaccaat cccttgacct 420
cgatattccg gc

```

<210> 263

<211> 614

<212> DNA

<213> Homo sapiens

<400> 263

```

gaattcggca cgaggcgcag agttgtcgt actggagaag tccctgggac tgagtaaggg 60
gaataaatac agtgctcagg gcgagcgaca gattccagtt ctccagacaa acaatgggtc 120
aagtctaaca ggattgacta ctatagcagc tcatctagtc aagcaagcca acaaagaata 180
tttgctgggg agtactgcag aagaaaaagc aatcgttcag cagtgggttag aatacagggt 240
cactcaagta gatgggcact ccagtaaaaa tgacatccac aactgttga aggatcttaa 300
ttcatatctt gaagataaag tctaccttac aggtataac ttacattag cagatatact 360
attgtactat ggacttcac gctttatagt tgacctgaca gttcaagaaa aggagaaata 420
tcttaattgta tctcgtcgtg tttgtcacat tcagcattat ccaggcatca ggcaacatct 480
gtctagtgtt ggtcttcac aagaacagac tatatactaa ttcccctaga aagctgtcca 540
tgccatacag aagatctatt aaaaaatgtt ttaaaatgga aaatgtactc ttagaaccac 600
aggacttaat ggta

```

<210> 264

<211> 336

<212> DNA

<213> Homo sapiens

<400> 264

```

gaattcggca cgaggggcac aacagagccg ctcccctctc ctgcgccgc caccgggacg 60
gagagcgcgc gccggtgcat ttccggcgac acctcgcagt cattcctgcg gcttgccgcg 120
ccttgtagac agccggggcc ttctgagaaa cgggtgcaggc ctggggtagt ctctgtctg 180
gacagagaag agaaaaatgc aggacactgg ctcaagagtg cctttgcatt ggtttggctt 240
tggtaccca gcactggttg cttctggtgg gaatatttgc tattgaaaag caagcaagcg 300

```

336

<211> 487

<213> Homo sapiens

gaattcggca	cgaggtgact	gtgggaaact	cggaaacaag	ctcacatctt	cctgtgggaa	60
accttctagc	aacaggatga	gtctgcagtg	gactgcagtt	gccaccttc	tctatgcgga	120
ggtctttgtt	gtgttgcttc	tctgcattcc	cttcatttct	cctaaaagat	ggcagaagat	180
tttcaagtcc	cggtcgttg	agttgttagt	gtcctatggc	aacaccttct	ttgtggttct	240
cattgtcatc	cttgtgctgt	tggtcatcga	tgcctgctgc	gaaattcgga	agtatgatga	300
tgtgacggaa	aaggtgaacc	tccagaacaa	tcccggggcc	atggagcact	tccacatgaa	360
gcttttccgt	gccagagga	atctctacat	tgtctgcttt	tccttgctgc	tgtccttct	420
gcttagacgc	ctgggtgactc	tcatttcgca	gcaggccacg	ctgctggcct	ccaatgaagc	480
ctttaaa						487

<211> 418

<213> Homo sapiens

gaattcggca	cgaggcgtg	acctgctagc	tgagcagcgc	ttcccgggcc	gcggtgctgcc	60
ctcggacttg	gacctgctgt	tgcacatgaa	caacgcgcgc	tacctgcgcg	aggccgactt	120
tgcgcgcgtc	gcgcacctga	cccgctgcgg	ggtgctcggg	gcgctgaggg	agttgcgggc	180
gcacacggtg	ctggcggcct	cgtgcgcgcg	ccaccgcgcg	tcgctgcgcc	tgttgagacc	240
cttcgaggtg	cgcacccgcc	tgtgggctg	ggacgaccgc	gcgttctacc	tggaggcgcg	300
ctttgtcagc	ctgcgggaag	gtttcgtgtg	cgcgctgctg	cgcttccggc	agcaactgct	360
gggcacctca	cccgagcgcg	tcgtgcagca	cctgtgccaa	cgcaaggtag	aacccccc	418

<211> 418

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

gaattcggca	cgaggctggc	tcccaccgct	gagttggctc	aacagattga	ggaagagacc	60
atcaagtttg	ggaaaccgct	aggtatccgc	actgtggctg	tcattggtgg	catctccaga	120
gaagaccagg	gcttcaggct	gcgcattggg	tgtgagattg	tgattgctcc	cctgggcgtt	180
tgattgatgt	gctggaaaac	cgcgttcctt	tgcttgacct	gctgtacct	tgtggttctg	240
gatgaggcag	ataggatgat	tgacatgggc	tttgagccag	atgtccagaa	gatcctggag	300
cacatgcctt	gtcagcaacc	agaagcccaa	acacggatga	agcttgagga	cccctgagaa	360
aaatgcttgg	ccaacttttg	agtcgggaaa	acattaagta	cccgcacaaa	caqtcat	418

<211> 266

<212> DNA

<213> Homo sapiens

<400> 268

```
gaattcggca cgagggcttc tcaactgagt cctactttta tgtcctgcct gtggtgagca 60
caaatgttga gcacatcaat ccccatTTTT tagacgaaga gacagagttg agtgacttgc 120
ccaaagacac agggccagtg aggagttgtg caggtttgcc ctggcattaa aataataaac 180
attgaaattc agtcgattcc cctatggact cagttataga tctcatcagt tgaaggaaga 240
gagatgcctt ttcctattca accttt                                     266
```

<210> 269

<211> 235

<212> DNA

<213> Homo sapiens

<400> 269

```
gaattcggca cgagggctcc tgcagccttt tcgctgggac tgcgcgacac cgccccccga 60
ccgggtgccc gctgtgtgcc aggcgggtg ctgggcacgg tcccgagag gccctataag 120
gactgccagg caataatgaa ggttctttta ctgaaggatg cgaaggaaga tgactgtggc 180
caggatccgt atatcaggga attaggatta tatggacttg aagccacttt gatcc      235
```

<210> 270

<211> 386

<212> DNA

<213> Homo sapiens

<400> 270

```
gaattcggca cgaggggttc tcgcggggcc ccgggtgctg gtcaccgggg caggcaaagg 60
tataggggcg ggcacgggtc aggcgctgca cgcgacgggc gcgcgggtgg ttgctgtgag 120
ccggactcag gcgatcttg acagccttgt ccgcgagtgc ccggggatag aaccctgtgt 180
cgtggacctg ggtgactggg aggccaccga gcgggcgctt gggcagcgtg ggccccgttg 240
acctgctggt gaacaacgcc cgtgtgcgcc ctgctgcagc ccttcttgga ggtcaccaag 300
gaggcctttg acagatcctt tgaggtgaac ctgcgtgcgg catccagtgt cacagattgt 360
ggcaggggct taatacccg ggtcc      386
```

<210> 271

<211> 406

<212> DNA

<213> Homo sapiens

<400> 271

```
gaattcggca cgaggggctg ctggctggct aagtccctcc cgctcccggc tctgcctca 60
ctaggagcgg ctctcggtgc agcgggacag ggcgaagcgg cctgcgcccc cggagcgcgc 120
gacactgccc ggaagggacc gccacccttg cccctcagc tgcccaactg tgatttcag 180
cggcctccgc gcgcgcacga tgccctcggc caccagccac agcgggagcg gcagcaagtc 240
gtccggaccg ccaccgccgt cgggttcctc cgggagttag gcggccgcgg gagccggggc 300
cgccgcgcgg gcttctagca ccccgcaacc ggcaccggcg ctgtccagac cgaggccatg 360
aagcagattc tcgggggtgat cgacaagaaa cttcggaacc tggaga      406
```

<210> 272

<211> 365

<212> DNA

<213> Homo sapiens

<400> 272

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gaattcggca cgaggctcgc ctcaactagga ggggctctcg gtgcagcggg acagggcgaa 60
gcggcctgcg cccacggagc ggcgcacact gcccgaagg gaccgccacc cttgccccct 120
cagctgcccc ctctgtatit ccagcggcct ccgcgcgcgc acgatgccct cggccaccag 180
ccacagcggg agcggcagca agtcgtccgg accgccaccg ccgtcgggtt cctccgggag 240
tgaggcggcc gcgggagccg gggcgcgcgc ccggcttcta gcaccccgca accggcaccg 300
gcgctgtcca gaccgaggcc atgaagcaga ttctcggggg gatcgacaag aaacttcgga 360
acctg 365

```

<210> 273

<211> 376

<212> DNA

<213> Homo sapiens

<400> 273

```

gaattcggca cgaggctttg gccactcaga gccccggggc cgcggtcgtc gtacgcctga 60
aggcgggtcg tgccggcggc cgctctagtc tccgcctccg ctacggccgg tcctccgggg 120
cttctcaatg gtttcccggg ggccctctcaa tgggtttccc ggcggccctt gcgccgacgc 180
caggagactt ccggagcttg gtgacgtcac agagcgagct tttctaccca aatacgcggc 240
gggggaatag gtcgagggc ggggagcagt gacaattgct aggcggagac agtgcaggga 300
agagagacct tataaaggat caggactggc gggaggtatt taactgaaag gaatatctgc 360
ttcactgttg caacca 376

```

<210> 274

<211> 385

<212> DNA

<213> Homo sapiens

<400> 274

```

gaattcggca cgaggcttgg gtccgtcgtc gcttcgggtg cctgtcggg cttcccagca 60
gcggcctagc gggaaaagta aaagatgtct gaatatattc gggtaaccga agatgagaac 120
gatgagcccc ttgaaatacc atcgggaagc gatgggacgg tgctgctctc cacggttaca 180
gcccagtttc caggggcgtg tgggcttcgc tacaggaaac cagtgtctca gtgtatgaga 240
ggtgtccggc tggtagaagg aattctgcat gcccagatg ctggctgggg aaatctggtg 300
tatgttgtca actatccaaa agataacaaa agaaaaatgg atgagacaga tgcttcatca 360
gcagtgaaag tgaaaagagc agtcc 385

```

<210> 275

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(395)

<223> n = A,T,C or G

<400> 275

```

gaattcggca cgagggggag cggagagcgg accccagaga gccctgagca gccccaccgc 60
cgccgcgggc ctagttacca tcacaccccg ggaggagccg cagctgccgc agccggcccc 120
agtcaccatc accgcaacca tgagcagcga ggccgagacc cagcagccgc ccgccgcccc 180
ccccgcggcc ccgcacctca gcgccccga caccaagccc ggcactacgg gcagcggcgc 240
aaggagcggg gggccgggcg gcctcacatt cgccggggcc ttgccggcgg ggacaaagaa 300
agggcattcg caacgaaggg ttttgggaaa caagtaaaat gggttcaatt gtaagggaac 360
cggatttttg ttttnattca accagggaaa ttgac 395

```


<210> 276
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 276
 gaattcggca cgagggcagg ggtggtcctg gctggcattg cctgagccgg cagtgatgaa 60
 gtggggagct tgcccttgac aggtgggggc tggctggggc cttaatgtga aaagacagtg 120
 gcaggcagct ggagtagagc gagcccagca gccctaaaag gctgccttca tggccatcta 180
 gccccagttc agggcagcat ccatagccca caagccagcg tgggtggggc gggggtggtc 240
 ccacagctgg gttccacctg aagagcctcc gtgcctcgga gc 282

<210> 277
 <211> 615
 <212> DNA
 <213> Homo sapiens

<400> 277
 gaattcggca cgagggccggt cggcctgggc aacctgcgct gaagatgccg ggaaaactcc 60
 gtagtgacgc tggtttgaa tcagacaccg caatgaaaaa aggggagaca ctgcgaaagc 120
 aaaccgagga gaaagagaaa aaagagaagc caaatctga taagactgaa gagatagcag 180
 aagaggaaga aactgttttc cccaaagcta aacaagttaa aaagaaagca gaggccttctg 240
 aagttgacat gaattctcct aaatccaaaa aggcacaaaa gaaagaggag ccatctcaaa 300
 atgacatttc tcctaaaacc aaaagtgttg gaaagaaaaa ggagcccatt gaaaagaaaag 360
 tggtttcttc taaaaccaa aaagtgacaa aaaatgagga gccttctgag gaagaaatag 420
 atgctcctaa gcccaagaag atgaagaaag aaaaggaaat gaatggagaa actagagaga 480
 aaagcccaaa actgaagaat ggatttcctc atcctgaacc ggactgtaac cccagtgaag 540
 ctgccagtga agaaagtaac agtgagatag agcaggaaat cctgtggaac aaaaagaagg 600
 cgctttctct atttt 615

<210> 278
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 278
 gaattcggca cgaggagaaa gggaaaaaag gcgtaaaagac agacatgaag caagtggggtt 60
 tgcaaggaga ccagatccag attctgatga agatgaagat tatgagcgag agaggaggaa 120
 aagaagtatg ggcggagctg ccattgcccc acccacttct ctggtagaga aagacaaaga 180
 gttaccccgga gattttcctt atgaagaagg actcaagacc tcgatcacag tctttccaag 240
 cagccctttc ttccccagtg gtaccgaagg aaccaagaac agaccccgaga atcttccacc 300
 cggaccctta gcaaac 316

<210> 279
 <211> 393
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(393)
 <223> n = A,T,C or G

<400> 279
gaattcggca cgaggggtgaa accaacttat tgggctcaat cccatttggc cacaggatac 60
tgtacgtatc ttcctttcca gagatttgat atcaccaga caccgccagc atacataaac 120
gtgttaccag gtttgcccca gtacaccagc atatatacac ccttgccag cctttctcct 180
gaatatcagc taccaagatc agtaccagtgt gtgcggtctt ttgtagccaa tgacagagca 240
gaaaaaatg ctggctgcct attttgnggg gcattcattt tgaaatggct tgagaaatgg 300
ttggctgggt caccagaat tggccttctt gaaaaccaca agaatccctt tggaagggg 360
cttctttttg gggaaaataa tcttggtaaa aag 393

<210> 280

<211> 454

<212> DNA

<213> Homo sapiens

<400> 280
gaattcggca cgaggcagca atgcggtaga tatgacgtaa acaaattata attaagctag 60
tggtactca gagatcaaaa gaactgcaca ttgcattctg gagcatgaga aatcattttt 120
tttttcatga tgtctaactc tactgaattt attcaatgga gataacagaa agatgattat 180
atatgattaa attacttcca gtattagcag atgcttattt aaatacttgc ttgttctttc 240
tgcaattcca catagaatta aggcaatagt ttaaaagaaa atttaaaaag taactttttc 300
agcattttta tgtagacctg tgaattctaa cacatttgca gtgtagccat cctaagtact 360
aaccagactt gaacaaaatc caacttgcaa aaacgatgca atataaatac caatcaccaa 420
taataggtag tctcactttt aaaaacctgt gtct 454

<210> 281

<211> 613

<212> DNA

<213> Homo sapiens

<400> 281
gaattcggca cgaggtgcgc tcttcgttgc ccagtttccg ctcagtggc gcgtctccgc 60
ccccaccca ccagtcgccg tgcattctcg gccgggctct aggcgccatg gctccccgcg 120
ggaggaagcg taaggctgag gccgcggtgg tcgccgtagc cgagaagcga gagaagctgg 180
cgaacggcgg ggagggaaatg gaggagcgca ccgttggtat cgagcattgc actagctgac 240
gcgtctatgg gcgcaacgcc gcggccctga gccaggcgct gcgcctggag gcccagagc 300
ttccagtaaa ggtgaacccg acgaagcccc ggaggggcag cttcgagggtg acgctgctgc 360
gccggagcgg cagcagtgcg gagctctgga ctgggattaa gaagggggcc ccacgcaaac 420
tcaaattccc tgagcctcaa gaggtggtgg aagagttgaa gaagtacctg tcgtagggag 480
atttgggtag aagccctcat gctgagcttt gtgtccctgg tgatgttgga acattaatga 540
tggaacatgg ccaaacttca gtcagtatcc tgaagccatg gtttcttccc tgccagaaat 600
gaaggttcat tat 613

<210> 282

<211> 313

<212> DNA

<213> Homo sapiens

<400> 282
gaattcggca cgaggcgaga acgggcacgg ggagcagcag cctcaaccgc cggcgacgca 60
gcagcaacag cccaacagc agcgcggggc cgccaaggag gccgcgggga agagcagcgg 120
ccccacctcg ctgttcgcgg tgacgtggc gccgcccggg gcgaggcagg gccagcagca 180
ggcgggaggt aagaagaagg cggaaggcgg cgaggcggc ggctgccccg gggctccggc 240
ggcgggggac ggcaaacag aacagaaagg cgagataaa aagaggggtg ttaaaagacc 300
accacaagat cat 313

<210>	286
<211>	576
<212>	DNA

<213> Homo sapiens

<400> 286

```

gaattcggca cgaggggaat ctgtgaagct cactactgga ccaaacaacg ctggagctca 60
aagtagttct tcatgtggga cttctggcct tccagtttct gcacagacag ccttggcaga 120
acaacagcca aaaagcatga aaagcccagc ttctccagag cctggtttct gtgctactct 180
ttgccctatg gtagaaattc cacctaaaga tataatggca gaattggagt cagaggatat 240
cttgatccct gaagaatctg taattcagga ggaaattgca gaagaggtag agactagtat 300
ctgtgaatgc caggatgaaa atcataagac aatacctgaa ttttctgagg aggctgaaa 360
tctaaccaat tctcatgaag aaccccaaat agcacctcct gaagataact tggaatcctg 420
tgttatgatg aatgatgttt tagaaaacttt gcctcatatt gaagttaaga tagaagggaa 480
gtcagaatca cccaggaag aaatgacagt tgttatcgat cagttagaag tctgtgactc 540
tcttattcct tccacttcat ctatgactca tgtcag 576

```

<210> 287

<211> 514

<212> DNA

<213> Homo sapiens

<400> 287

```

gaattcggca cgaggcagag aggtttgcca aagagcgcag gctgagaata tggagagact 60
atgtggctcc cacagctaatt ttggaccaa aggacaagca gtttggtgcc aaggatgatgc 120
aggtttctgaa tgctgatgcc attgttgtga agctgaactc aggcgattac aagacgattc 180
acctgtccag catccgacca ccgaggctgg agggggagaa caccaggat aagaacaaga 240
aactgcgtcc cctgtatgac attccttaca tgtttgaggc ccgggaattt cttcgaaaaa 300
agcttattgg gaagaaggtc aatgtgacgg tggactacat tagaccagcc agcccagcca 360
cagagacagt gcctgccttt tcagagcgta cctgtgccac tgtcaccatt ggaggaataa 420
acattgctga ggctcttgtc agcaaaggtc tagccacagt gatcagatac cggcaggatg 480
atgaccagag atcatcacac tacgatgaac tgct 514

```

<210> 288

<211> 456

<212> DNA

<213> Homo sapiens

<400> 288

```

gaattcggca cgagggggcg ggcaggcggg caggccggca ggcgggtgcg cggagggctg 60
gtgccccgca gcaggtgggc ggggtgcggt tggcggcggc ggctgggccc ggggctgccg 120
gctgcgctcg ggccgtgcgc ggcggccgtg cgggcacgcc atggacttca acatgaagaa 180
gctggcgtcg gacgcgggca tcttcttcac ccgggcggtg cagttcacgg aggagaaatt 240
tggccaggct gagaagactg agcttgatgc ccactttgaa aaccttctgg cccgggcaga 300
cagcaccaag aactggacag agaagatctt gaggcagaca gaggtgctgc tgcagcccaa 360
cccagtgcc cgagtggagg agttcctgta tgagaagctg gacaggaagg tcccccaag 420
ggtcaccaac ggggagctgc tggctcagta catggc 456

```

<210> 289

<211> 262

<212> DNA

<213> Homo sapiens

<400> 289

```

gaattcggca cgaggcagaa gccctagct cctctgagcc tcatggggcc agaggaagca 60
gtagttcggg cggcaagaaa tgctacaagc tggagaatga gaagctgttc gaagagttcc 120
ttgaactttg taagatgcag acagcagacc accctgaggt ggtcccatto ctctataacc 180

```

ggcagcaacg tgcccactct ctgttttttg cctcggcgga gttctgcaac atcctctcta 240
gggtcctgtc tcggggcccg ac 262

<210> 290
<211> 205
<212> DNA
<213> Homo sapiens

<400> 290
gaattcggca cgaggattta tggggccactg cacatgcccg ctgcagccct gggatcagct 60
ggaagctgcc tgtcatctcc tgcccaatcc ccagaaaccc tgattcaggt ctgcaggctc 120
ctgcggggctc accaggctgc tggctccggt accatgtaaa cctaggaagg taaaggagca 180
ggcaacctcc tcgtggcctg tgtgt 205

<210> 291
<211> 483
<212> DNA
<213> Homo sapiens

<400> 291
gaattcggca cgaggccttg ccggggaccgt gtggggccgtg aggatgagga cggctgggag 60
acgcgagggg accgcaaggc ccggaagccc ctggtggaga agaagcggcg cgcgcggatc 120
aacgagagcc tgcaggagct gcggctgctg ctggcgggcg ccgaggtgca ggccaagctg 180
gagaacgccg aagtgtctgga gctgacggtg cggcggggtcc aggggtgtgct gcggggcccg 240
gcgcgcgagc gcgagcagct gcaggcggaa gcgagcgaac gcttcgctgc cggctacatc 300
cagtgcctgc acgaggtgca cacgttcgtg tccacgtgcc aggccatcga cgctaccgtt 360
ctgccgagct cctgaacctat ctgctcgagt ccatgcogct gcgtgagggc agcaacttca 420
ggatctgctg ggggacgccc tgcggggcca cctaaatccc ctggacggaa tggctggctg 480
cgg 483

<210> 292
<211> 562
<212> DNA
<213> Homo sapiens

<400> 292
gaattcggca cgagggcgct gcgggtagga gccgggttgc gggagacccc aggttcggtt 60
gggattccca gccagaacgg agcttaagcc gggcaggcga gcgaatgacg gagtagcgag 120
ctgcacggcg gcgtgctgct ctggtgagga cgctgtcccg cgcgctcca ggccgccccg 180
aggcttgggg tcttcgaagg ataatcggcg ccggggggcg aacagcgggg gcacacgggg 240
cgctgccgaa gtgcaaggcc acggccagag ctogagcccg acgcgctgtc tggagtcgta 300
ggttggcgcc gtttggggtc ggggtctgag gcttgggcgc tgcctgggcc gagcggagat 360
cggggtttgc ctcccgctcc cgctcaggac cctgacgtgg ctgaagcggc cccgggagca 420
tgagcggcag cgcgtggacg tcaagggtgt gatgctgggc aaggagtacg tgggcaagac 480
tagcctggtg gagcgctacg tgcacgaccc ctttctggtg gggccttata agaaccat 540
cggggccgcc ttcgtggcca ag 562

<210> 293
<211> 645
<212> DNA
<213> Homo sapiens

<400> 293
gaattcggca cgaggctgag agagagcaca gcctgggtggg ttctggggtc tacggcctag 60

```

gggcgcgggga agtttgcgcc gccgcgacca gtgctgcgat ccgagccgg gctccagccc 120
cgaggaccag gggtcgggcg ggctgccta cggaaccccg cgggccagca gcagtcgtct 180
cgcgtcctcc tgcttggaag agtgtttaag cttctaaaat gtcactatc aagcacctgg 240
tttatgcagt tattcgtttc ttacgggaac aaagtcagat ggacacttac acctcggatg 300
aacaagaaag tttggaagtt gcaattcagt gcttgagac agtttttaag atcagcccag 360
aagatacaca cctagcagtt tcacagcctt tgacagaaat gtttaccagt tccttctgta 420
agaatgacgt tctgccccct tcaaactcag tgcctgaaga tgtgggaaaa gctgaccaat 480
taaaagatga aggcaataac cacatgaaag aagaaaatta tgctgctgca gtggattgtt 540
acacacaggc aatagaattg gatcccaata atgcagttta ctattgcaac agggctgctg 600
ctcagagcaa attaggtcac tacacagatg cgataaagga ttgtg 645

```

<210> 294

<211> 521

<212> DNA

<213> Homo sapiens

<400> 294

```

ctgagcgtct ctgcttagcc gcggtcatga gccggcacag ccggtgcag aggcaggttc 60
tgagcctgta ccgcgatctg ctgcgcgccg gccgtgggaa gccgggcgcc gaggcgcgag 120
tgccgggcaga gttccggcag catgcgggcc tgccgcggtc cgacgtgctg cgcctcgagt 180
acctgtaccg ccgcgggcgg ccgcagctgc agctgctacg ctccggccac gccaccgcca 240
tgggcgccctt cgtacgcccg cgggccccga ccggggagcc tggcggcgtg ggttcccagc 300
ctgacgacgg cgacagtcca aggaaccccc acgacagcac gggggcaccg gagaccgcc 360
ccgacggacg gtgacaggcg aagagccgaa ctgcctcgat ggcgtggtgg agccaggagg 420
ctgcctgac tgcattgggg gactggggaa cccgcctaag gtgagaggtc ttaagagact 480
agcttgacga attggggatg tcagagactc ctcttggcg a 521

```

<210> 295

<211> 375

<212> DNA

<213> Homo sapiens

<400> 295

```

gaattcggca cgaggagaac atgcagtcta ggaaccggca tgcgcataac ctccaggatat 60
aaataatgct gaagcagagt tacgtttttt ttgttggtgt tttttttgtt tttgtttttt 120
taggtttccg tgtgtttcta ttgagctgct cagtgcgccg cttagaagac caggaaaagg 180
agtcacaggt cgtatgctgg aggcttgagc cgcggcaccg tggcgcggct cgcctcgctg 240
cggttggtgg tggcgggtga cattgcagcg cggctggagg gggtccttag acaaggtgca 300
agacaaacag aagagggcat gtgggtgcaa actcctactg cctgcctgat tttctgccac 360
aggacaaatt cacca 375

```

<210> 296

<211> 628

<212> DNA

<213> Homo sapiens

<400> 296

```

gaattcggca cgaggaaaat ggttcgctat tcacttgacc cggagaaccc cacgaaatca 60
tgcaaatcaa gaggttccaa tcttcgtgtt cactttaaga acactcgtga aactgctcag 120
gccatcaagg gtatgcatac acgaaaagcc acgaagtatc tgaaagatgt cactttacag 180
aaacagtgtg taccattccg acgttacaat ggtggagttg gcagggtgtg gcaggccaag 240
caatggggct ggacacaagg tcggtggccc aaaaagagtg ctgaattttt gctgcacatg 300
cttaaaaacg cagagagtaa tgctgaactt aagggttttag atgtagattc tctggtcatt 360
gagcatatcc aagtgaacaa agcacctaag atgcgccgcc ggacctacag agctcatggt 420

```

```

cggattaacc catacatgag ctctccctgc cacattgaga tgatccttac ggaaaaggaa 480
cagattgttc ctaaaccaga agaggaggtt gcccagaaga aaaagatata ccagaagaaa 540
ctgaagaaac caaaacttat ggcacgggag taaattctca ttaaaataaa tgtaattaaa 600
aggaaaaaaa aaaaaaaaaa aactcgag                                     628

```

```

<210> 297
<211> 645
<212> DNA
<213> Homo sapiens

```

```

<400> 297
gaattcggca cgaggagaaa acgaagcagc gttggaaaat ggaattaaaa atgaggaaaa 60
cacagaacca ggtgctgaat cttctgagaa cgctgatgat cccaacaaag atacaagtga 120
aaacgcagat ggtcaaagtg atgagaacaa ggacgactat acaatcccag atgagtatag 180
aattggacca tatcagccca atgttcctgt tggatatagac tatgtgatac ctaaaacagg 240
gttttactgt aagctgtggt cactctttta tacaaatgaa gaagttgcaa agaatactca 300
ttgcagcagc cttcctcatt atcagaaatt aaagaaattt ctgaataaat tggcagaaga 360
acgcagacag aagaaggaaa cttaagatgt gcaaggagat ttaatgattt caaagaaaaat 420
aatgggttctt tgtttttaat gttaaccttt tttaaataca atactgatag ttagaagaaa 480
actattgtac tcttttgttt tagtggagaa ataatagatg tctgttcatg tgtaagtgt 540
tatagcaaaa aaaatacaca tatggttaag ttaatgaata gtttttgttt tatcagaatg 600
gcaacagaca gaagtacttt gtagagattg acttcctaag ctctt                                     645

```

```

<210> 298
<211> 625
<212> DNA
<213> Homo sapiens

```

```

<400> 298
gaattcggca cgaggggatt cagcagcctc ccccttgagc cccctcgctt cccgacgttc 60
cgttccccc tgcccgcctt ctcccgccac cgccgcgcc gccttcgcga ggccgtttcc 120
accgaggaaa aggaatcgta tcgtatgtcc gctatccaga acctccactc tttcgacccc 180
tttgcctgat caagtaaggg tgatgacctg cttcctgctg gcactgagga ttatatccat 240
ataagaattc aacagagaaa cggcaggaag accttacta ctgtccaagg gatcgctgat 300
gattacgata aaaagaaact agtgaaggcg tttaaagaaa agtttgacct caatggtact 360
gtaattgagc atccggaata tggagaagta attcagctac agggtgacca acgcaagaac 420
atatgccagt tcctcgtaga gattggactg gctaaggacg atcagctgaa ggttcatggg 480
ttttaagtgc ttgtggctca ctgaagctta agtgaggatt tccttgcaat gagtagaatt 540
tcccttctct tccttgctac aggtttaaaa acctcacagc ttgtataatg taaccatttg 600
gggtccgctt ttaacttga ctagt                                     625

```

```

<210> 299
<211> 545
<212> DNA
<213> Homo sapiens

```

```

<400> 299
gaattcggca cgaggagacc caggaggtca aggtctacagt gagccgtgat catgccactg 60
cactccagcc tgggtgacag agcgagacct tgtctcttaa caacaaaacc catgagcggc 120
agccccccag tcctggatgg tggtaaagaa tcctcaagat caaaccacag cagtgtgag 180
agcttggcct gattctaggg ctggggctgg agaaactgct agagatgatg ccgatagcca 240
gtgtgatccc cctgccttga tggtaagggg cagagtgcag actggaacct tcccctcccc 300
aaagattcag acctgtgggg ctgagtgggc tcatagtgtc cccaagtcct gagaggctgg 360
tgtctggctt cagcctccag cttctcaggt tctgatgcag tcagctgagt tccctgccta 420

```

ttctttgcaag cactaggagg aagggtggtg ggttgcgtggg aacagcaccg agcgccctcc 480
 ccaccagat tcacagagca cactccccgg ggggatactt taatccggag gccgtgacgc 540
 ctgct 545

<210> 300

<211> 605

<212> DNA

<213> Homo sapiens

<400> 300

gaattgggca cgaggcgggc cgcagctttt cggttcacag cgggcaggga aagccgcggg 60
 aagggtactc caggcgagag gcggacgcga gtcgtcgtgg caggaaaagt gactagctcc 120
 ccttcgttgt cagccaggga cgagaacaca gccacgctcc caccggctg ccaacgatcc 180
 ctccggcggcg atgtcggccg ccggtgcccg aggcctgcgg gccacctacc accggctcct 240
 cgataaagtg gagctgatgc tgcccagaa attgaggccg ttgtacaacc atccagcagg 300
 tcccagaaca gtttttttct gggctccaat tatgaaatgg gggttggtgt gtgctggatt 360
 ggctgatatg gccagacctg cagaaaaact tagcacagct caatctgctg ttttgatggc 420
 tacagggttt atttgggtcaa gatactcact tgtaattatt ccaaaaaatt ggagtctgtt 480
 tgctgttaat ttctttgtgg gggcagcagg agcctctcag ctttttcgta tttggagata 540
 taaccaagac taaaagctaa agcacacaaa taaaagagtt ctgatcacct gaacaatcta 600
 gatgt 605

<210> 301

<211> 364

<212> DNA

<213> Homo sapiens

<400> 301

gaattcggca cgaggcgcac acgagaacat gcctctcgca aaggatctcc ttcattccctc 60
 tccagaagag gagaagagga aacacaagaa gaaacgcctg gtgcagagcc ccaattccta 120
 cttcatggat gtgaaatgcc caggatgcta taaaatcacc acggtcttta gccatgcaca 180
 aacggtagtt ttgtgtgttg gctgctccac tgtcctctgc cagcctacag gaggaaaagc 240
 aaggcttaca gaaggatggt ccttcaggag gaagcagcac taaaagcact ctgagtcaag 300
 atgagtggga aaccatctca ataaacacat tttggataaa aaaaaaaaaa aaaaaaaact 360
 cgag 364

<210> 302

<211> 545

<212> DNA

<213> Homo sapiens

<400> 302

gaattccggc acgaggggac cccagagagc cctgagcagc cccaccgcgg ccgccggcct 60
 agttaccatc acaccccgga aggagccgca gctgcgcgag ccggccccag tcaccatcac 120
 cgcaaccatg agcagcgagg ccgagaccca gcagccgccc gccgcccccc ccgccgcccc 180
 cgccctcagc gccgccgaca ccaagcccgg cactacgggc agcggcgag ggagcgggtg 240
 ccggggcggc ctcacatcgg cggcgccctgc cggcggggac aagaaggcca tcgcaacgaa 300
 ggtttttggg acagtaaaat ggttcaatgt aaggaacgga tatggtttca tcaacaggaa 360
 tgacaccaag gaagatgtat ttgtacacca gactgccata aagaagaata accccaggaa 420
 gtaccttcgc agtgtaggag atggagagac tgtggagttt gatgttggtt aaggagaaaa 480
 ggggtcgggag gcagcaaag ttacaggtcc tgggtggtgt ccagttcaag gcagtaaata 540
 tgcag 545

<210> 303


```
<210> 306
<211> 504
<212> DNA
<213> Homo sapiens
```

<220>
 <221> misc_feature
 <222> (1)...(504)
 <223> n = A,T,C or G

<400> 306
 gaattcggca cnaggccaaa acctgtttgg gaagcatatt acagaaatga tttcaagtac 60
 cctgtattct ggatgctaaa aaacaaaaac aaacaaaaaa acaaaaacaa aaaaacaaaa 120
 ccagaatcag gtaaaacagc tatgtgatta aaatatttta attcttcagc aattacccgg 180
 ttttctaaat tgaatcatgc atctatttat aattctaatt attttgtaaa agaagacaaa 240
 attatgaatc ttaagtattt gctccatctt tttctctgta atgggtggaga ggctgccccat 300
 aattcatctc cacatggagc caagtttaat gtttctagt ttttctgtc acttctgtca 360
 tgcttatttc aaactccctg agtgatgggt aagaaatcaa acattgcctc agtgggtatca 420
 agagaacttt ggtggtggtt tcttcagaat catgaagttc ttttgccaga taaatatttt 480
 gatattattt tcctttttta tata 504

<210> 307
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 307
 gaattcggca cgagggtttaa accctgcgtg gcaatccctg acgcaccgcc gtgatgccca 60
 gggaagacag ggcgacctgg aagtccaact acttccttaa gatcatccaa ctattggatg 120
 attatccgaa atgtttcatt gtgggagcag acaatgtggg ctccaagcag atgcagcaga 180
 tccgcattgc ccttcgcggg aaggctgtgg tgctgatggg caagaacacc atgatgcgca 240
 aggccatccg agggcacctg gaaaacaacc cagctctgga gaaactgctg cctcatatcc 300
 gggggaatgt gggctttgtg ttcaccaagg aggacctcac tgagatcagg gacatgttgc 360
 tggccaataa ggtgccagct gctgccgtgc tggtgccatt gccccatgtg aagtcactgt 420
 gccagcccag aacactggtc tcgggcccgc 449

<210> 308
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 308
 gaattcggca cgagggttga ttatggcaag aagtccaagc tggagttctc catttaccca 60
 gcaccccagg tttccacagc tgtagttagag ccctacaact ccctcctcac caccacacc 120
 accctggagc actctgattg tgccttcatg gtagacaatg aggccatcta tgacatctgt 180
 cgtagaaacc tcgatatcga gcgcccaccc tacactaacc ttaaccgcct tattagccag 240
 attgtgtcct ccctcactgc ttccctgaga tttgatggag ccctgaatgt tgacctgaca 300
 gaattccaga ccaacctggt gccctacccc cgcattccact tccctctggc cacatatgcc 360
 cctgtcatct ctgctgagaa agcctaccat gaacagcttt ctgtagcaga gatcaccaat 420
 gcttgctttg agccagccaa ccagatgggtg aaatgtgacc ctgcgccatgg taaatacatg 480
 gcttgctgcc tgttgtagcc ttgtgacgtg gttcccaaag atgt 524

<210> 309
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 309
 gaattcggca cgagggtctc tcaactgagt cctactttta tgcctgcct gtggtgagca 60

```

caaatgttga gcacatcaat ccccatTTTT tagacgaaga gacagagttg agtgacttgc 120
ccaaagacac agggccagtg aggagttgtg caggtttgcc ctggcattaa aataataaac 180
attgaaattc agtcgattcc cctatggact cagttataga tctcatcagt tgaaggaaga 240
gagatgcctt ttcctattca gcctttttgc aatccttcca tctagaggag atgtatctta 300
taatatactc aaaggcactc tgttgctaata agcagccttg atgaggtccc atatagctca 360
ttggaagcag agctagtctt ggaaactgaa aatgttgagc cagagtctgc ccattccttt 420
agctctgggt ccagctgtgg tctggggtgg aatggagctc gaccttgcc caccagggc 480
ctgtctgttc tcattgtggc catccacatc ctggagctgc tcat 524

```

<210> 310

<211> 524

<212> DNA

<213> Homo sapiens

<400> 310

```

gaattcggca cgaggggaga ctacaaggat agggccagga gtaatggagt ccaaagagaa 60
acgagcagta aacagtctca gcatggaaaa tgccaaccaa gaaaatgaag aaaaggagca 120
agttgctaata aaaggggagc ccttggccct ccctttggat gctgggtgaat actgtgtgcc 180
tagaggaaat cgtaggcggg tccgcgttag gcagcccatc ctgcagtata gatgggatat 240
gatgcatagg cttggagaac cacaggcaag gatgagagaa gagaatatgg aaaggattgg 300
ggaggaggtg agacagctga tggaaaagct gagggaaaag cagttgagtc atagtctgcg 360
ggcagtcagc actgaccccc ctcaccatga ccatcatgat gagttttgcc ttatgccctg 420
aatcctgatg gtttccctaa agttattacg gaaacagacc cctgctttcg aatttacatg 480
ttcatgatgt gcccttggtg taaaccttta cctgtcactt gttt 524

```

<210> 311

<211> 523

<212> DNA

<213> Homo sapiens

<400> 311

```

gaattcggca cgaggcctcg tgcggtgcc cccgaggtat gcgggggtcac tgcgtgctcg 60
atgttccctc cgaagggtcg gacaaggctc cggagccctg tagctgccct ccctaggagc 120
cccggttctt cactggccga ggtgccacc ccgcagcatt ctgggagtg tagttttctt 180
ccttcagggtt cattcctggc tggccagtgc ccaagactgg cgagaactac attcccagac 240
gcccagcga gtcgccggtc acgtggccgc aaggacgtg ggccggtggg cgggggcccg 300
caggtgctcc gcagccgtct gtgccacca gagccggcgg gccgctaggt ccccgagac 360
cctgctatgg tgcgtgcggg cgccgtgggg gctcatctcc ccgcgtccgg cttggatatc 420
ttcggggacc tgaagaagat gaacaagcgc cagctctatt accaggtttt aaacttcgcc 480
atgatcgtgt cttctgcact catgatatgg aaaggcttga tgc 523

```

<210> 312

<211> 524

<212> DNA

<213> Homo sapiens

<400> 312

```

gaattcggca cgaggggtgaa ggtgtgtgtc agcttttgcg tcaactcgagc cctgggctcg 60
gcttgctaaa gagccgagca cgcgggtctg tcatcatgtc gcgttacggg cggtagcgag 120
gagaaaccaa ggtgtatgtt ggtaacctgg gaactggcgc tggcaaagga gagttagaaa 180
gggctttcag ttattatggt cctttaagaa ctgtatggat tgcgagaaat cctccaggat 240
ttgcctttgt ggaattcgaa gatcctagag atgcagaaga tgcagtacga ggactggatg 300
gaaaggtgat ttgtggctcc cgagtggagg ttgaactatc gacaggcatg cctcggagat 360
cacgttttga tagaccacct gcccgacgtc cctttgatcc aatgataga tgctatgagt 420

```

```

gtggcgaaaa gggacattat gcttatgatt gtcacgttta cagccggcga agaagaagca 480
ggtcacggtc tagatcacat tctcgatcca gaggaaggcg atac 524

```

<210> 313

<211> 523

<212> DNA

<213> Homo sapiens

<400> 313

```

gaattcggca cgaggggtaa caccagaata tttggcaaag ggagaaaaaa aaagcagcga 60
ggcttcgcct tccccctctc cctttttttt tctctctctt ccttctctct ccagccgccg 120
ccgaatcatg tcgatgagtc caaagcacac gactccgttc tcagtgtctg acatcttgag 180
tcccttgag gaaaagtaca agaaagtggg catggagggc ggcggcctcg gggctccgct 240
ggcggcgtag aggcagggcc aggcggcacc gccaacagcg gccatgcagc agcacgccgt 300
ggggcaccac ggcgccgtca ccgcgccta ccacatgacg gcggcggggg tgccccagct 360
ctcgcactcc gccgtggggg gctactgcaa cggcaacctg ggcaacatga gcgagctgcc 420
gccgtaccag gacaccatga ggaacagcgc ctctggcccc ggatggtagc gcgccaaccc 480
agaccgcgcg ttccccgcca gttctttttt ttcaggatca ggc 523

```

<210> 314

<211> 525

<212> DNA

<213> Homo sapiens

<400> 314

```

gaattcggca cgagggaaaa ccagagatag agggaaagcc agagagtga ggagagccag 60
ggagtgaac aagggtctgca ggaaagcgcc cagctgagga tgatgtaccc aggaaagcca 120
aaagaaaaac taataagggg ctgggtcatt acctcaagga gtataaagag gccatacatg 180
atatgaattt cagcaatgag gacatgataa gagaatttga caatatggct aagggtcagg 240
atgagaagag aaaaagcaaa cagaaattgg gggcgttttt gtggatgcaa agaaatttac 300
aggacccttt ctaccctaga ggtccaaggg aattcagggg tggctgcagg gccccacgaa 360
gggacattga agacattcct tatgtgtagt gtccctggca ggcatttacc aggccatgtg 420
ctttaacgtt cggtaatact ttactttagg catccctcct gttgctagca gccttttgac 480
ctatctgcaa tgcagtgttc tcagtaggaa atgttcatct gttac 525

```

<210> 315

<211> 358

<212> DNA

<213> Homo sapiens

<400> 315

```

gaattcggca cgaggggggtg gtggagcgct gggcgggccag gctccctggc tggccgggtt 60
gggcgtctgg gccgtgaagg tgggacctcc tgttcggggc cgcaagtttc cctctccagc 120
cgcccgccgt tcgtagcatg tccccagaa ctccgggagc gcaggcagga caggcttaga 180
gaagacgcgg tccccagcgc ttggggccac gacgtccac cccgctctc tgctgctgga 240
gaaccgccgg gccgagccac tgggagaagc aggcagagc cttccagggc ctccggcccc 300
tggacccgag gaggatgagc tggccttttc cctgaccaa gagcgcctcc tctccgcg 358

```

<210> 316

<211> 420

<212> DNA

<213> Homo sapiens

<400> 316

```

gaattcggca cgaggcgttc cttgcacac tgtgattttg cctcctgcc cagcagacc 60
tgcagcgggc aaagagctcc cgaggaagca cagcttgggt caggttcttg cctttcttaa 120
ttttagggac agctaccgga aggaggggaa caaggagttc tcttcgcag cccctttccc 180
cacgcccacc cccagtctcc agggaccctt gcctgcctcc taggctggaa gccatggtcc 240
cgaagtgtag ggcaaggggtg cctcaggacc ttttggtctt cagcctccct cagcccccag 300
gatctgggtt aggtggccgt cctcctgctc ctcatgggaa gatgtctcag agccttcctg 360
acctcccctc cccaacccaa tgccaaagtg gacttgggag ctgcacaaag tcagcaggga 420

```

<210> 317

<211> 518

<212> DNA

<213> Homo sapiens

<400> 317

```

gaattcggca cgaggcgttc cggaggggtcg ttttaaaggc cccgcgcgtt gccgccccct 60
cgccccgcca tgctgctatc cgtgccgctg ctgctoggcc tcctcggcct ggccgtcgcc 120
gagcctgccg tctacttcaa ggagcagttt ctggacggag acgggtggac ttcccgtggt 180
atcgaatcca aacacaagtc agattttggc aaattcgctt tcagttccgg caagttctac 240
ggtgacgagg agaaagataa aggtttgcag acaagccagg atgcacgctt ttatgctctg 300
tcggccagtt tcgagccttt cagcaacaaa ggccagacgc tgggtggtgca gttcacggtg 360
aaacatgagc agaacatcga ctgtgggggc ggctatgtga agctgtttcc taatagtttg 420
gaccagacag acatgcacgg agactcagaa tacaacatca tgtttggtcc cgacatctgt 480
ggcctgcacc aaaaagggtc atgtcatctt caactaca
518

```

<210> 318

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(401)

<223> n = A,T,C or G

<400> 318

```

aacaccaagg tggacaagag agttgagtc aaatatggtc ccccatgccc atcatgcca 60
gcacctgagt tcctgggggg accatcagtc ttctgttcc ccccaaaacc caaggacact 120
ctcatgatct cccgacccc tgaggtcacg tgcgtggtgg tggacgtgag ccaggaagac 180
cccgaggtcc agttcaactg gtacgtggat ggcgtggagg tgcataatgc caagacaaag 240
ccgcgggagg agcagttcaa cagcacgtac cgtgtggtca gcgtcctcac cgtcctgcac 300
caggactggc tgaacggcaa ggagtacaag tgcaagggtc ccaacaaagg cctcccgctc 360
tccatcgaga aaacctatn caaagccaaa gggcagcccc g
401

```

<210> 319

<211> 401

<212> DNA

<213> Homo sapiens

<400> 319

```

accgtgtact attagccatg gtcaacccca ccgtgttctt cgacattgcc gtcgacggcg 60
agcccttggg ccgctctctc tttgagctgt ttgcagacaa ggtcccaaag acagcagaaa 120
attttcgtgc tctgagcact ggagagaaa gatttggtta taagggttcc tgctttcaca 180
gaattattcc agggtttatg tgtcagggtg gtgacttcac acgccataat ggcaactggtg 240

```

```

gcaagtccat ctatggggag aaatttgaag atgagaactt catcctaaag catacgggtc 300
ctgcatcttg tccatggcaa atgctggacc caacacaaat ggttcccagt ttttcatctg 360
cactgccaag actgagtggg tggatggcaa gcatgtggtg t 401

```

<210> 320

<211> 471

<212> DNA

<213> Homo sapiens

<400> 320

```

tagagtccca caaaccccttg gcatgcctta atgtttgaga attccattct atttctcatt 60
aatctcttga aagcaaagat attttataaa tcttttttga ccagtgtttt agatggtagt 120
ggctgtggca gtgactttta attagccatc ctgaacccat catttaaaat atttattttt 180
gctttcagaa attttgaaat aagtaaggga aaaaaccaa ttatttacag atacacataa 240
ccaacccaaa ataaaagcaa aatactaaat taggcacaca gaaagactaa aagtaaattc 300
actaggaag acactcctca aagatagaat gttaaatttg tgaatccaga gtgctcaaac 360
cagaataacg cttgtcctta taccctaaag gacttgccaa gaaagataaa aagtatttta 420
ttatcccaga aagaatgcaa gggctctcat ttcagttggc ttataacacc a 471

```

<210> 321

<211> 471

<212> DNA

<213> Homo sapiens

<400> 321

```

attactcaac agatttggac acaacggaaa gacaacagtt gatatttcta cttggtgtga 60
gcagtttgca actttttgtt cagagcaact ggacggggcc ccctgttgac ttacaccctc 120
aggacttttt gtcattctgtt ttgttccagc aattcagtg ggttaaagga ctggatgcat 180
ttgttctgag cctgctcact ctagatgggt aatcaatcta cagcctgacc tcgaagccta 240
tactactggt attagcacgc attatcctag tgaatgtaag acataaactg acagctattc 300
agagcttgcc atggtggact ttgagatgtg tgaatattca tcagcatttg cttgaggaac 360
gtcacctct gctttttact cttgccgaaa actgtattga tcaagtgatg aaactacaga 420
atctgtttgt agatgattca ggtcgatatt tggctattca attocatctg g 471

```

<210> 322

<211> 601

<212> DNA

<213> Homo sapiens

<400> 322

```

tgaaggagca gttgccgcgc ttggcggcgc cccgagcagt tttogetgct gctacggctg 60
ttgcoatgag gcgaggctag ggaggacctc acttccccgg ggtgtaataa tgttaactga 120
ggccagtcta tccatatggg gatggggaag ccttggcatt gtcccttttc tgataacctt 180
tggacccttt gtaatatattt atttgacatt ttatatcctc tgctttgtgg gtggggggtt 240
agtggttact ctctgtttg gaaaaacaaa ctgagagaag tacctagaac agtgtgaaca 300
ctcatttctt cctccaacat cacctggggg tcctaagtgc ttagaagaaa tgaaacggga 360
agccaggact attaaagatt atagaagatt gacgggtgcc aatataattg atgaacctct 420
ccagcaagtt atccagtttt ccttgaggga ttatgtccag tattggtatt atacactaag 480
cgatgatgaa tcttttcttc ttgaaattag gcagactctt caaaacgcac tcattcagtt 540
tgctactagg tcaaaagaaa tagactggca acottatttt actacacgca ttgtagatga 600
c 601

```

<210> 323

<211> 601

<212> DNA

<213> Homo sapiens

<400> 323

```

gatgaggtag cagaggetca acgggcagag tttagccctg cccagttctc tggtcctaag 60
aagatcaacc tgaaccactt gttgaatttc acttttgaac cccgtggcca gacgggtcac 120
tttgaaggca gtggacatgg tagctgggga aagaggaaca agtggggaca taagcctttt 180
aacaaggaac tctttttaca ggccaactgc caatttgtgg tgtctgaaga ccaagactac 240
acagctcatt ttgctgatcc tgatacatca gttaactggg actttgtgga acaagtgcgc 300
atthttagcc atgaagtgcc atcttgccca atatgcctct atccacctac tgcagccaag 360
ataaccggtt gtggacacat cttctgctgg gcatgcatcc tgcactatct ttcactgagt 420
gagaagacgt ggagtaaagt tcccatctgt tacagttctg tgcataagaa ggatctcaag 480
agtgttgttg ccacagagtc acatcagtat gttgttggtg ataccattac gatgcagctg 540
atgaagaagg agaaaggggt ggtggtggct ttgcccacaa ccaaatggat gaatgtagac 600
c
601

```

<210> 324

<211> 461

<212> DNA

<213> Homo sapiens

<400> 324

```

catcttcttc ctttcgctgg gtcctccgta gttctggcac gagccaggcg tactgacagg 60
tggaccagcg gactgggtga gatggcgacg ctctctctga ccgtgaattc aggagaccct 120
ccgctaggag ctttgctggc agtagaacac gtgaaagacg atgtcagcat ttccgttgaa 180
gaagggaaag agaattattc tcatgtttct gaaaatgtga tattcacaga tgtgaattct 240
atacttcgct acttggttag agttgcaact acagctgggt tatatggctc taatctgatg 300
gaacatactg agattgatca cttggttgga gttcagtgc acaaaattat cttcatgtga 360
ttcctttact tctacaatta atgaactcaa tcattgcctg tctctgagaa catacttagt 420
tggaaactcc ttgagtttag cagatttatg tgtttgggcc a
461

```

<210> 325

<211> 461

<212> DNA

<213> Homo sapiens

<400> 325

```

tcacttttga acccctgtgc cagacgggtc actttgaagg cagtggacat ggtagctggg 60
gaaagaggaa caagtgggga cataagcctt ttaacaagga actcttttta caggccaact 120
gccaatttgt ggtgtctgaa gaccaagact acacagctca ttttgcctgat cctgatacat 180
tagttaactg ggactttgtg gaacaagtgc gcattttagt ccatgaagtg ccatcttgcc 240
caatatgcct ctatccacct actgcagcca agataaacccg ttgtggacac atcttctgct 300
gggcatgcat cctgcactat ctttcaactga gtgagaagac gtggagtaaa tgtcccatct 360
gttacagttc tgtgcataag aaggatctca agagtgttgt tgccacagag tcacatcagt 420
atgttgttgg tgataccatt acgatgcagc tgatgaagaa g
461

```

<210> 326

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(451)

<223> n = A,T,C or G

<400> 326

```
ctgtggagggc cagttctgga gctattgcag cctcggttgc cgggccgggg acccgagccg 60
aaaagttatc gtcagaatgt cgggcaaaga ccgaattgaa atctttccct cgcgaatggc 120
acagaccatc atgaangctc gtttaaaggg agcacagaca ggtcgaaacc tcctgaagaa 180
aaaatctgat gccttaactc ttcgatttgc acagatccta aagaagataa tagagactaa 240
aatgttgatg ggcaagtga tgagagaagc tgccttttca ctagctgaag ccaagttcac 300
agcaggtgac ttcagacta cagttatoca aaatgtcaat aaagcgcaag tgaagattcg 360
agcgaagaaa gataatgtag caggtgttac tttgccagta tttgaacatt accatgaag 420
aactgacagt tatgaactga ctggttttagc c 451
```

<210> 327

<211> 601

<212> DNA

<213> Homo sapiens

<400> 327

```
gaggggagggc cagcgaagcc gagtaaaacc gccgccgggg agaagactga aggagcagtt 60
gccgccgttg gccgccggccc gagcagtttt cgtcgtctgt acggctgttg ccatgagggc 120
aggctagggg ggacctcact tccccggggt gtaataatgt taactgaggg cagtctatcc 180
atatggggat ggggaagcct tggcattgtc ctttttctga taacctttgg accctttgta 240
atattttatt tgacatttta tatcctctgc tttgtgggtg ggggtttagt ggttactctc 300
ctgtttggaa aaacaaactc agagaagtac ctagaacagt gtgaacactc atttcttcct 360
ccaacatcac ctgggggttcc taagtgccta gaagaaatga aacgggaagc caggactatt 420
aagattgata gaagattgac gggtgccaat ataattgat aacctctcca gcaagttatc 480
cagttttcct tgagggatta tgtccagtat tgggtattata cactaagcga tgatgaatct 540
tttcttcttg aaattaggca gactcttcaa aacgcactca ttcagtttgc tactaggtca 600
a 601
```

<210> 328

<211> 601

<212> DNA

<213> Homo sapiens

<400> 328

```
ccggaatgat caccaagaca cacaaagtag accttgggct cccagagaag aaaaagaaga 60
agaaagtggg caaagaacca gagactcgat actcagtttt aaacaatgat gattactttg 120
ctgatgtttc tcctttaaga gctacatccc cctctaagag tgtggcccat gggcaggcac 180
ctgagatgcc tctagtgaag aaaaagaaga agaaaaagaa ggggtgtcagc accctttgcg 240
aggagcatgt agaacctgag accacgctgc ctgctagacg gacagagaag tcacccagcc 300
tcaggaagca ggtgtttggc cacttgaggt tcctcagtg ggaagagaaa aataagaagt 360
cacctctagc catgtcccat gcctctgggg tgaaaacctc cccagaccct agacagggtg 420
aggaggaaac cagagttggc aagaagctca aaaaacacaa gaaggaaaaa aagggggccc 480
aggaccccac agccttctcg gtccaggacc cttggtttctg tgaggccagg gaggccaggg 540
atgttgggga cacttgctca gtggggaaga aggatgagga acaggcagcc ttggggcaga 600
a 601
```

<210> 329

<211> 501

<212> DNA

<213> Homo sapiens

<400> 329


```

agcagctttc gctccaagct gcatcttgta gacctcgctg gatcagaaag acagaagaaa 60
accaaggctg aaggggatcg tctaaaagag ggtattaata ttaaccgagg cctcctatgc 120
ttgggaaatg taatcagtcg tcttgagat gacaaaaagg gtggctttgt gccctacaga 180
gattccaagt tgactcgact gcttcaagat tctctaggag gtaatagcca tactcttatg 240
atagcctgtg tgagtcctgc tgactccaat ctagaggaaa cattaaatac ccttcgctat 300
gctgacagag caagaaaaat caagaacaaa cctattgtta atattgatcc ccagacagct 360
gaacttaatc atctaaagca acaggtagaa cagctacaag tcttggtgct acaggcccat 420
ggaggtaccc tgcctggatc tataactgtg gaaccatcag agaatctaca atccctgatg 480
gagaagaatc agtccttggg a
501

```

<210> 330

<211> 451

<212> DNA

<213> Homo sapiens

<400> 330

```

cgcgaggcgc gcgccatgga acagcgggta gctgagtttc gggcggcgcg gaaacgggcg 60
ggtctggcgcg cccaaccccc tgctgccagt caggcgccac aaaccccagg agagaaggcg 120
gaagcagcag cgactctaaa ggcagcccca ggctggctaa agcgggttctt ggtatggaaa 180
cctaggccccg cgagtgcctg ggcagccccc ggctagtttc aggaagcggc tcagccccag 240
ggcagcacat cagagacacc atggaacaca gccattcttc tgccgtcgtg ctgggaccag 300
tctttctctga ccaatatcac cttcttgaag gttcttctct ggttggtcct gctgggactg 360
tttgtggaac tggaatttgg cctgcatatt ttgtcctgtc cttgttctat tggatgtacg 420
tcgggacacg aggccttgaa gagaagaaa a
451

```

<210> 331

<211> 331

<212> DNA

<213> Homo sapiens

<400> 331

```

cgttggtcct gtgcggtcac ttagccaaga tgctgagga aaccagacc caagaccaac 60
cgatggagga ggaggaggtt gagacgttcg cctttcaggc agaaattgcc cagttgatgt 120
cattgatcat caatactttc tactcgaaca aagagatctt tctgagagag ctcatctcaa 180
attcatcaga tgcattggac aaaatcccgt atgaaagctt ggacagaatc caataaatta 240
aaacttcttg ggaaaagaag cttgcattat taacccttta taccgaacca aaccaaagaa 300
tccgaaactt cttcacttat ttggtgggga a
331

```

<210> 332

<211> 401

<212> DNA

<213> Homo sapiens

<400> 332

```

tccttcttga tcctgaactg ggtaggtgc cgctgttgct gctcgtgttg aatctagaac 60
cgtagccaga catgggactg gaggacgagc aaaagatgct taccgaatcc ggagatcctg 120
aggaggagga agaggagag gaggaattag tggatccctt aacaacagtg agagagcaat 180
gcgagcagtt ggagaaatgt gtaaaggccc gggagcggct agagctctgt gatgagcgtg 240
tatectctcg atcacatata gaagaggatt gcacggagga gctctttgac ttcttgcattg 300
cgagggaacca ttgcgtggcc cacaaactct ttaacaactt gaaataaatg tgtggactta 360
attcacccca gtcttcatca tctgggcatc agaataattt c
401

```

<210> 333

<211> 331

<212> DNA

<213> Homo sapiens

<400> 333

```

gatccctgca gaggcctcat ccccgacag cgagccagtc ctagagaagg atgacctcat 60
ggacatggat gcctctcagc agaattttatt tgacaacaag tttgatgaca tctttggcag 120
ttcattcagc agtgatccct tcaattttcaa cagtcaaaat ggtgtgaaca aggatgagaa 180
ggaccactta attgagcgac tatacagaga gatcagtggg ttgaaggcac agctagaaaa 240
catgaagact gagagccagc gggttgtgct gcagctgaag ggccacgtca gcgagctgga 300
agcagatctg gccgagcagc agcacctgct g

```

<210> 334

<211> 551

<212> DNA

<213> Homo sapiens

<400> 334

```

agcgggactg gctgggtcgg ctgggctgct ggtgcgagga gccgcggggc tgtgctcggc 60
ggccaagggg acagcgctg ggtggccgag gatgctgcgg ggcggtagct ccggcgcccc 120
tagctggtga ctgctgcgcc gtgcctcaca cagccgaggc gggctcggcg cacagtcgct 180
gctccgcgcg cgcgcccgcc ggcgctccag gtgctgacag cgcgagagag cgcggccctc 240
aggagcaagg cgaatgtatg acaacatgtc cacaatggtg tacataaagg aagacaagtt 300
ggagaagctt acacaggatg aaattatttc taagacaaag caagtaattc aggggctgga 360
agctttgaag aatgagcaca attccatttt acaaagtttg ctggagacac tgaagtgttt 420
gaagaaagat gatgaaagta atttggtgga ggagaaatca aacatgatcc cggaagtcac 480
tggagatgtt ggagctcggc ctgagtgagg cacaggttat gatggctttg tcaaatacc 540
tgaatgcttg t

```

<210> 335

<211> 501

<212> DNA

<213> Homo sapiens

<400> 335

```

caggcgcccg agcgggactg gctgggtcgg ctgggctgct ggtgcgagga gccgcggggc 60
tgtgctcggc ggccaagggg acagcgctg ggtggccgag gatgctgcgg ggcggtagct 120
ccggcgcccc tagctggtga ctgctgcgcc gtgcctcaca cagccgaggc gggctcggcg 180
cacagtcgct gctccgcgcg cgcgcccgcc ggcgctccag gtgctgacag cgcgagagag 240
cgcggccctc aggagcaagg cgaatgtatg acaacatgtc cacaatggtg tacataaagg 300
aagacaagtt ggagaagctt acacaggatg aaattatttc taagacaaag caagtaattc 360
aggggctgga agctttgaag aatgagcaca attccatttt acaaagtttg ctggagacac 420
tgaagtgttt gaagaaagat gatgaaagta atttggtgga ggagaaatca aacatgatcc 480
ggaagtcact ggagatgttg g

```

<210> 336

<211> 521

<212> DNA

<213> Homo sapiens

<400> 336

```

cctcggcgcc ggcgcggtg cttacagcct gagaagagcg tctcgcccg gagcggcgcc 60
ggccatcgag acccacccaa ggcgctccc cctcggcctc ccagcgctcc caagccgcag 120
cggccgcgcc cttcagcta gctcgtcgc tcgctctgct tcctgctgc cggctgcgcc 180
atggcgttgg cgttgcgccg gctggcgccg gtcgagccgg cctcggcgcc ccggtaccag 240

```

```

cagttgcaga atgaagaaga gtctggagaa cctgaacagg ctgcaggtga tgctcctcca 300
ccttacagca gcatttctgc agagagcgca gcatattttg actacaagga tgagtctggg 360
tttccaaagc ccccatctta caatgtagct acaacaactgc ccagttatga tgaagcggag 420
aggaccaagg ctgaagctac tatccctttg gttcctggga gagatgagga ttttgtgggt 480
cgggatgatt ttgatgatgc tgaccagctg aggataggaa a 521

```

<210> 337

<211> 521

<212> DNA

<213> Homo sapiens

<400> 337

```

aaaggaggaa aatacacgga agagaattgc tgtcctggct gaggccagag agataactga 60
gggtcccaga caaggatcaa gagaacggga ttggcctcca gaggcagagg ttccaaatgg 120
gagtgggctt cctcctagaa agactttctg gaggagacc ccctactgtg taacagagga 180
ggactttggg attaagaaaa gcattccagg aagccgacag tgtcagcaaa cgtggagggtg 240
agatccttca aagtgagtgg tgtggagggt tccagaattt tctgagcctg aagggaaggt 300
tggagagcag accctgccct ttggaggctt gacttagccc tgagggcacc ctgtagccag 360
ggtgggcaga tgccaatatg gttagagacga agactgagta gggagccagc cacagtgcct 420
gtggtctcag gcagggagtg aagaccagag tggagcaggc tagaaacctg ggaaggaagc 480
aggttcccca gtataagccc atgatgtgtg aagaatgagc c 521

```

<210> 338

<211> 581

<212> DNA

<213> Homo sapiens

<400> 338

```

atactgcttg cttggagatg tcctcggaga ccattcttgc tatgacaagg cctgggagtt 60
gtcccggtag cgcagtgtc gtgctcagcg ctccaaagcc ctcttctatc ttcggaacaa 120
ggagtttcaa gagtgtgtag agtgcttcga acgctcgggt aagattaatc ccatgcagct 180
cggggtgtgg ttttctctcg gttgtgccta tttggccttg gaagactatc aaggttcagc 240
aaaggcattt cagcgtgtg tgactctaga acccgataat gctgaagctt ggaacaattt 300
gtcaacttcc tatatccgat taaaacaaaa agtaaaagct tttagaactt tacaagaagc 360
tctcaagtgt aactatgaac actggcagat ttgggaaaac tacatcctca ccagcactga 420
cgttggggaa ttttcagaag ccattaaagc ttatcacagg ctcttggact tacgtgacaa 480
atacaaagat gttcaggtcc ttaaaattct agtcagggca gtgattgatg ggatgactga 540
tcgaagtgga gatgttgcaa ctggcctcaa aggaaagctg c 581

```

<210> 339

<211> 581

<212> DNA

<213> Homo sapiens

<400> 339

```

aagaagaaga agctcgcgtt cgtgaagaag cagagagggt ccggcaggaa cgagagaagc 60
atttccagag agaagagcaa gagcgcttgg agagaaagaa gcgacttgag gagattatga 120
aaagaaccag gagaacagaa gctacagata agaaaaccag tgatcagaga aacggtgata 180
tagccaaggg agctctcact ggaggaacag aggtgtctgc acttccatgt acaacaaacg 240
ctccgggaaa tggaaagcca gttggcagcc cacatgtggt tacctcacac cagtcaaaag 300
aaaaaaaaaa gcgtgatgga atagctattg gatcaggtta caaaaaacia tttttaaaaa 360
taagctaaca tctaagaaac atcattttgc ctatactgcc tccccaaaaa tcctgttttt 420
actcagtga cactaagcc cactcagaaa tgttctggat tgtcattttc tccatccttt 480
agcaccttct tattttgggg ggagctctga agccttgcaa gaagtgggag agaaaaggac 540

```

cagggtgtgac agaagggacg attttaagtta ttacaataaa c

581

<210> 340

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(571)

<223> n = A,T,C or G

<400> 340

```

ggtggcaaat tcaagtcctg ttaaccccggt ggtgttcttt gatgtcagta ttggcgggtca 60
ggaagttggc cgcatgaaga tcgagctctt tgcagacggt gtgcctaaga cggccgagaa 120
ctttaggcag ttctgcaccg gagaattcag gaaagatggg gttccaatag gatacaaagg 180
aagcaccttc cacagggtca taaaggattt catgattcag ggtggagatt ttgttaatgg 240
agatggtact ggagtcgcca gtatttaccg ggggccattt gcagatgaaa attttaaact 300
tagacactca gctccaggcc tgctttccat ggcgacagt ggtccaagta caaatggctg 360
tcagttcttt atcacctgct ctaagtgcga ttggctggat gggaagcatg tgggtgtttg 420
aaaaatcatc gatggacttc tagtgatgag aaagattgag aatgttccca caggcccca 480
caataagccc aagctacctg tggatgatctc cagtgtgggg agatgtagtc cagacaaaga 540
ctgaatcagt atacttgctc gacttcaagg n 571

```

<210> 341

<211> 581

<212> DNA

<213> Homo sapiens

<400> 341

```

taatgagacc aaagtttgca agggcaggac gagcccggtc taacagagaa agtgtttgtt 60
cctcaatttg gttttagact gtcttgctct atggggggaga aaagatctgc ccttgggaga 120
ggtgccaaact ttatagatct attaatataa gaactggcag gcttacagtt cttgccaatg 180
aggaaacttg aatgagagaa gccaggctca accttggcca acagactgga gcccatcacc 240
ctaacttcac cccgcttctc cttacccaac cgtcaaaggc taggcagcac ccaccagca 300
gottccacct ggctgaagcc tgcacctgct tcagaccaag ggtagatgg aaatttggca 360
tggaagagaga gggctcacct gtgggcagga tagactctat ccaagaagga gaactgaaaa 420
atgaaaacct atgagacaag gggatgacct gaagcaggca ggagaaaggg ctggaggagg 480
aggcactggg gaatttttcc tggatgaata tgaagtact agatgttttg tcttgcaaaa 540
ctcaagggaa aactctcaaa ctctaattgt tggcctattc t 581

```

<210> 342

<211> 451

<212> DNA

<213> Homo sapiens

<400> 342

```

gcagaccaga cttcgctcgt actcgtgcgc ctgccttcgc ttttcctccg caaccatgtc 60
tgacaaaccc gatattggct agatcgagaa attcgataag tcgaaactga agaagacaga 120
gacgcaagag aaaaatccac tgccttccaa agaaacgatt gaacaggaga agcaagcagg 180
cgaatcgtaa tgaggcgtgc gccgccata tgcactgtac attccacaag cattgccttc 240
ttattttact tcttttagct gtttaacttt gtaagatgca aagagggttg atcaagttta 300
aatgactgtg ctgccccctt cacatcaaag aactactgac aacgaagccg cgctgcctt 360
tccatctgt ctatctatct ggctggcagg gaaggaaaga acttgcattg ttggtgaagg 420

```

451

<211> 601

<212> DNA

<213> Homo sapiens

<400> 343

tgacctcatg	gacatggatg	cctctcagca	gaattttattt	gacaacaagt	ttgatgacat	60
ctttggcagt	tcatttcagca	gtgatccctt	caattttcaac	agtcaaaatg	gtgtgaacaa	120
ggatgagaag	gaccacttaa	ttgagcgact	atacagagag	atcagtggat	tgaaggcaca	180
gctagaaaac	atgaagactg	agagccagcg	ggttgtgctg	cagctgaagg	gccacgtcag	240
cgagctggaa	gcagatctgg	ccgagcagca	gcacctgcgg	cagcagggcg	ccgacgactg	300
tgaattcctg	cgggcagaa	tggacgagct	caggaggcag	cgggaggaca	ccgagaaggc	360
tcagcggagc	ctgtctgaga	tagaaaggaa	agctcaagcc	aatgaacagc	gatatagcaa	420
gctaaaggag	aagtacagcg	agctggttca	gaaccacgct	gacctgctgc	ggaagaatgc	480
agaggtgacc	aaacaggtgt	ccatggccag	acaagcccag	gtagatttgg	aacgagagaa	540
aaaagagctg	gagggattcg	ttggagccgc	tcagtgacct	agggccagcg	ggaagactca	600
a						601

<210> 344

<211> 571

<212> DNA

<213> Homo sapiens

<400> 344

gcgacccggg	gagcgagcac	gtcgtctcgc	accgctcttc	ctccagccgc	tgagcgcgtcc	60
cttctcgcca	tgtccagag	caggcacccg	gccgaggccc	cgccgctgga	gcgcgaggac	120
agtgggacct	tcagtttg	gaagatgata	acagctaagc	cagggaaaac	accgattcag	180
gtattacacg	aatacggcat	gaagaccaag	aacatcccag	tttatgaatg	tgaaagatct	240
gatgtgcaaa	tacacgtgcc	cactttcacc	ttcagagtaa	ccgttggtga	cataacctgc	300
acagggtgaag	gtacaagtaa	gaagctggcg	aaacatagag	ctgcagaggc	tgccataaac	360
attttgaaag	ccaatgcaag	tatttgcttt	gcagttcctg	accccttaat	gcctgaccct	420
tccaagcaac	caaagaacca	gcttaatcct	attggttcat	tacaggaatt	ggctattcat	480
catggctgga	gacttcctga	atataccctt	tcacaggaag	gaggacctgc	tcataagaga	540
gaatatacta	caatttgcaq	gctagaqtca	t			571

<210> 345

<211> 551

<212> DNA

<213> Homo sapiens

<400> 345

gacctggcgc	tttgtgcggc	tccaggcctc	cgagtggact	ccagaaaagcc	tgaaaagcta	60
tcatggcagc	aaggcccaag	ctccactatc	ccaacggaag	aggccggatg	gagtcogtga	120
gatgggtttt	agctgccgcc	ggagtcgagt	ttgatgaaga	atttctggaa	acaaaagaac	180
agttgtacaa	gttgcaggat	ggtaaccacc	tgctgttcca	acaagtgcc	atggttgaaa	240
ttgacgggat	gaagttggta	cagaccgaa	gcattctcca	ctacatagca	gacaagcaca	300
atctcttttg	caagaacctc	aaggagagaa	ccctgtactg	tggccctct	cgagtgttgt	360
cacttgtcag	cttactgatg	ccttagctga	ttagcaacct	ctgtagcaca	ccacatttac	420
tttatgtctt	acatagttag	tgagatcagg	gaacaaaaac	ccaagaaggt	cacgaagacc	480
agttggaact	tcagtagaga	gagtctgagt	aaaacaaaag	aatagggatt	cagatattga	540
atactatc	t					551

<210> 346
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

```
<400> 346
tatgggaaac tgctctttat ttagaccttt gggacaaaat taacttttgt cacatattac 60
ttaaaaaaaaa atccagtttt acatatctt aaatagatag aactaaatga tcagagaatt 120
tcttctgtaa aaattggcca aattttatca aaaatctaac atacgataca atccaaatta 180
taaaaagact acttgggatc ataattttcc aaatgtatga cagttataac tccatcttaa 240
caagngtgaa aagtacttgc tctcatgttg ctttgggtcca aaagagtaga gctaactcag 300
taacaggcaa ctaagtacct aatcttttgc caaaattaat ttanattgtg actggcagca 360
gaaatatcca taatgaacag ctctactata acaaagaata attaaagaat acttttcgtg 420
aacatatcac agtatcaaat acatctttat aagagaaaaa tatgaaggaa atgataaaat 480
agctatcaca aacaaaaaga a                                     501
```

<210> 347
 <211> 621
 <212> DNA
 <213> Homo sapiens

```
<400> 347
gccccgggaga agactgaagg agcagttgcc gccgttgggc ggggccccgag cagtttttcgc 60
tgctgctacg gctgttgcca tgaggcgagg ctaggaggga cctcacttcc ccggggtgta 120
ataatgttaa ctgaggccag tctatccata tggggatggg gaagccttgg cattgtcctt 180
tttctgataa cctttggacc ctttgaata ttttatttga cattttatat cctctgcttt 240
gtgggtgggg gtttagtggt tactctcctg tttggaaaaa caaactcaga gaagtaccta 300
gaacagtgtg aacactcatt tcttcctcca acatcacctg gggttcctaa gtgcttagaa 360
gaaatgaaac gggaagccag gactattaag attgatagaa gattgacggg tgccaatata 420
attgatgaac ctctccagca agttatccag ttttccttga gggattatgt ccagtattgg 480
tattatacac taagcgatga tgaatctttt cttcttgaaa ttaggcagac tcttcaaaac 540
gcaactcattc agtttgctac taggtcaaaa gaaatagact ggcaacctta ttttactacc 600
cgcattgtag atgactttgg c                                     621
```

<210> 348
 <211> 511
 <212> DNA
 <213> Homo sapiens

```
<400> 348
cgggcgcccg cgggcggcga tggcggcggc ggaggccggt ggcgacgacg cccgctgcgt 60
gcggtgtagc gccgagcggg cacaggcgct gctggccgac gtggacacgc tgctgttcga 120
ctgcgacggc gtgctgtggc gcggggagac cgcggtgcct ggcgcgcccg aggccctgcg 180
ggcgtgcga gcccgcgga agcgcttggg cttcatcacc aacaacagca gcaagaccgg 240
cgctgcctac gccgagaagc tgcggcgccct gggtctcggc gggcccgcgg ggcccggcgc 300
cagcctggag gtcttcggca cggcctaactg caccgcgctc tacctgcgcc agcgctggc 360
cgggcgcccc gcgccaagg cctacgtgct gggcagccca gccctggccg cggagctgga 420
gccgtggggc tcgccagcgt gggcggtggg cccgaccact gcagggcgag ggtcccggcg 480
actggctgca cgcccgttg agccgactgc g                                     511
```



```
<400> 355
tcttcagcgc atcagaagta tccagaatgt tcttgaaagc tcaggggctg tggaaactgt 60
tccagatttt caagaaatta cttctatgaa agaacgatgc aacaagcttc ttcagaaagt 120
tcagaaaaat aaagaattgg tgcagactga aatccaagaa agacattcct tcacaaaaga 180
```



```

gataattgct ttgaagaatt tctttcaaca gaccacaact tcattccaaa atatggcatt 240
ccaggatcac ccagaaaagt cagaacaatt tgaggagctt caaagcatcc ttaagaaagg 300
gaaactaact tttgagaata ttatggaaaa actgcgaatc aagtattccg aaatgtacac 360
catagtccct gcagagattg aatcccaggt ggaagaatgc agaaaagctt tagaagacat 420
agatgagaag attagccaat gaagtcttaa a 451

```

<210> 356

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(441)

<223> n = A,T,C or G

<400> 356

```

gtcgcgcac cggcggccca tgaacgcctt catggtgtgg gcaaaggacg agcgcaagcg 60
gctggctcag cagaacccgg acctgcacaa cgcggtgctc agcaagatgc tgggcaaagc 120
gtggaaggag ctgaacgcgg cggagaagcg gcccttcgtg gaggaagcgg aacggctgcg 180
cgtgcagcac ttgcgcgacc accccaacta caagtaccgg ccgcgccgca agaagcaggc 240
gcgcaaggcc cggcgggtgg agcccggctc tgetcccggg attagcgccc ccgcagccac 300
cgccgacctt tcccgcggcg tctggctcgn tcgcgccttc cgcgagctgc cccgctgggc 360
gccgagttca cggctggggc tgccaccccg agcgtcgtc tgacggctga cccgggagct 420
gcttttccac gccgcgcgcc a 441

```

<210> 357

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(451)

<223> n = A,T,C or G

<400> 357

```

gggcgggcgg aggcgggtgg cgacgacgcc cgctgcgtgc ggctgagcgc cgagcgggca 60
caggcgctgc tggccgacgt ggacacgctg ctgttcgact gcgacggcgt gctgtggcgc 120
ggggagaccg ccgtgcctgg cgcgcccgag gccctgcggg cgctgcgagc ccgcggcaag 180
cgctgggct tcatcaccaa caacagcagc aagaccgcg ctgcctacgc cgagaagctg 240
cggcgccctg gcttcggcgg ccccgcgggg ccgcggccca gcctggaggt cttcggcacg 300
gcctactgca ccgcgctcta cctgcgccag cgctggccg gcgccccgc gcccaagcct 360
acgtgctggg cagcccagcc ctggccgcgg anctggaagc cgtggggcgt gccagcgtgg 420
gcgtggggcc cgaaccactt gcagggcgag g 451

```

<210> 358

<211> 571

<212> DNA

<213> Homo sapiens

<400> 358

```

ggggcgatgg cggcggcgga ggccgggtgg gacgacgccc gctgcgtgcg gctgagcgcc 60
gagcgggcac aggcgctgct ggccgacgtg gacacgctgc tgttcgactg cgacggcgtg 120

```

```

ctgtggcgcg gggagaccgc cgtgcctggc ggcggcgagg ccctgcgggc gctgcgagcc 180
cgcggaagc gcctgggctt catcaccac aacagcagca agaccgcgc tgcctacgcc 240
gagaagctgc ggccctggg cttcgggcgc ccgcggggc ccggcgccag cctggaggtc 300
ttcggcacgg cctactgcac cgcgtctac ctggccagc gcctggccgg cgcggcgcg 360
cccaagccta cgtgctgggc agcccagccc tggcgcgga gctggaggcc gtgggcgtcg 420
ccagcgtggg cgtggggccc gacctgca gggcgagggt ccggcgact ggctgcacgc 480
gccgctggag ccgacgtgc gcgcggtggt ggtgggcttt gaccgcact tagctacatg 540
aagctcacca agcccttgcg ctacttgaag a 571

```

<210> 359

<211> 511

<212> DNA

<213> Homo sapiens

<400> 359

```

cgctgctgtt atggccgcct ccttgaggta gtatccgcac atggaattct agggccgcag 60
gtgtattttac ggtaactgtc gccactagat ttcagcgct ttggactctc ctgttttcac 120
tttcttttgt tgactccgt gtggccctcg tgggagcctg ttttggtgc agcgggtgtc 180
ggggtgatgt ggaccccgga gctggcaatt ctgaggggat tccccactga ggctgagcgg 240
cagcaatgga aacaggagg ggtcgctcgt tcagagagt gatctttcct acaattgctg 300
ctggaaggga actatgaagc catattctta aattcaatga ctcaaaatat ttttaattca 360
acaacaaccg ctgaagaaaa gattgatagc tacctggaga agcaggtagt aacattcctg 420
gattactcaa cagatttgga cacaacggaa agacaacagt tgatatttct acttgggtgtg 480
agcagtttgc aactttttgt tcaaagcaac t 511

```

<210> 360

<211> 481

<212> DNA

<213> Homo sapiens

<400> 360

```

gcgttctcgg ggagctgctg ccgtagctgc cgccgcgct accaccgcgt tcgggtgtag 60
aatttggaaat ccctgcgcgc cgttaacaat gaagcagagt tcgaacgtgc cggctttcct 120
cagcaagctg tggacgcttg tggaggaac ccacactaac gagttcatca cctggagcca 180
gaatggccaa agttttctgg tcttgatga gcaacgattt gcaaaagaaa ttcttcccaa 240
atatttcaag cacaataata tggcaagctt tgtgaggcaa ctgaatatgt atggtttccg 300
taaagtagta catatcgact ctggaattgt aaagcaagaa agagatggtc ctgtagaatt 360
tcagcatcct tacttcaaac aaggacagga tgacttggtg gagaacatta aaaggaaggt 420
ttcatcttca aaaccagaag aaaataaaat tcgtcaggaa gatttaacaa aaattataag 480
t 481

```

<210> 361

<211> 551

<212> DNA

<213> Homo sapiens

<400> 361

```

cgtagaggaa gacactgtgg aggccagttc tggagctatt gcagcctcgg ttgcccggcc 60
ggggaccgga gccgaaaagt tatcgtcaga atgtcgggca aagaccgaat tgaaatcttt 120
ccctcgcgaa tggcacagac catcatgaag gctcgtttta agggagcaca gacaggtcga 180
aacctcctga agaaaaaatc tgatgcctta actcttcgat ttcgacagat cctaaagaag 240
ataatagaga ctaaaatggt gatgggcgaa gtgatgagag aagctgcctt ttcactagct 300
gaagccaagt tcacagcagg tgacttcagc actacagtta tccaaaatgt caataaagcg 360
caagtgaaga ttcgagcgaa gaaagataat gtagcaggtg ttactttgcc agtatttgaa 420

```

```

cattaccatg aaggaactga cagttatgaa ctgactgggt tagccagagg tggggaacag 480
ttggctaaat taaagaggaa ttatgcccac agcagtggaa ctactggtgg aactagcttc 540
tcttgcagac t                                     551

```

<210> 362

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(481)

<223> n = A,T,C or G

<400> 362

```

gggttacatt ttggattaaa cctgtttccc gggtatgtgt aggggaacagc aaagngatgc 60
acnaactttg aacattcggt atggggaaaa catcctttaa cttcggggtc gtctgccaaa 120
gcagggtctg ggagggtcca tgcagttccc gntggtgtgg agggaaatgc cctggtctgg 180
cctccgagcc cccaggtcca ccgtctcccc tcccctcatt tgtaanaata gctacacact 240
aacatttttg gaaggagagg cacataactt tttttaacat ttggtaacta gggtatgggc 300
tctacattgt cagctacttg ggatatatat ttaattttct taaattcccg ttaaactcta 360
ttttatgggt ttgatttcag attgcaaaca tgtaaaacct gcatagcagc gagttctcgg 420
ttttgcgggt tctttagttc tttactgtca ctgtcatgta atcagcta atcagcta 480
a                                     481

```

<210> 363

<211> 461

<212> DNA

<213> Homo sapiens

<400> 363

```

ggaaccagga cctcggcgtg gcctagcgag ttatggcgac gaaggccgtg tgcgtgctga 60
agggcgacgg cccagtgcag ggcatcatca atttcgagca gaaggaaagt aatggaccag 120
tgaagggtgt gggaagcatt aaaggactga ctgaaggcct gcatggattc catgttcatt 180
agttttggaga taatacagca ggctgtacca gtgcagggtc tcaatttaaat cctctatcca 240
gaaaacacgg tgggcccagg gatgaagaga ggcatgttgg agacttgggc aatgtgactg 300
ctgacaaaga tgggtgtggc gatgtgtcta ttgaagattc tgtgatctca ctctcaggag 360
accattgcat cattggccgc aactggtgg tccatgaaaa acagatgact tgggcaaagg 420
tggaatatgaa gaaagtacaa agacaggaaa cgcttgaagt c                                     461

```

<210> 364

<211> 531

<212> DNA

<213> Homo sapiens

<400> 364

```

ggttctactt tctgcacgtc agaaatcaat tccatgtcag ctcgagtcct gctcttgctg 60
gtggtcccag gccatctgat tttcttctac atcatctacc tgggtggaggg tcagtcagtc 120
ataaacagcc agacctttgt ggtgctctac ctgctggcag gcctgatcca ggtgacaatc 180
ctgctgtacc tcgcagaagt gatggttcgg ctgacttggc accaggccct ggatcctgac 240
aaccactgca tcccctacct tacagggtcg ggggacctgc tcggtaactg cctcctggca 300
ctctgctttt tcaactgact gctactgaag agcaaggcag agctgggtgg catctcagaa 360
ctggcatctg gacctcccta actgggcccc gctgggtcca tttgctcatt agaatttcct 420
ctcacatcag tgggatacag aaattcagtt tctcccttgc caggtccttg ggatggttga 480

```

531

<211> 4834

<212> DNA

<213> Homo sapiens

<400> 365

gatatgtggagc	tggggtccct	gcaagtcatg	aacaaaacga	gaaagattat	ggaacatggg	60
ggggccacct	tcatcaatgc	ctttgtgact	acacccatgt	gctgcccgtc	acggtcctcc	120
atgtccaccg	ggaagtatgt	gcacaatcac	aatgtctaca	ccaacaacga	gaactgctct	180
tccccctcgt	ggcaggccat	gcatgagcct	cggacttttg	ctgtatatct	taacaacact	240
ggctacagaa	cagccttttt	tggaaaatac	ctcaatgaat	ataatggcag	ctacatcccc	300
cctgggtggc	gagaatggct	tggattaatc	aagaattctc	gcttctataa	ttacactggt	360
tgtcgcaatg	gcatcaaaga	aaagcatgga	tttgattatg	caaaggacta	cttcacagac	420
ttaatcacta	acgagagcat	taattacttc	aaaatgtcta	agagaatgta	tccccatagg	480
cccgttatga	tggtgatcag	ccacgctgcg	ccccacggcc	ccgaggactc	agccccacag	540
ttttctaaac	tgtaccccaa	tgcttcccaa	cacataactc	ctagttataa	ctatgcacca	600
aatatggata	aacactggat	tatgcagtac	acaggaccaa	tgctgcccat	ccacatggaa	660
tttacaaata	ttctacagcg	caaaaggctc	cagacttttg	tgtcattgga	tgattctgtg	720
gagaggctgt	ataacatgct	cgtggagacg	ggggagctgg	agaactacta	catcattttc	780
accgccgacc	atggttacca	tattggcgag	tttgactggg	tcaaggggaa	atccatgcca	840
tatgactttg	atattcgtgt	gccttttttt	attcgtggtc	caagtgtaga	accaggatca	900
atagtcctac	agatcgttct	caacattgac	ttggccccc	cgatcctgga	tattgctggg	960
ctcgacacac	ctcctgatgt	ggacggcaag	tctgtcctca	aacttctgga	cccagaaaag	1020
ccaggtaaca	ggtttcgaac	aaacaagaag	gccaaaattt	ggcgtgatac	attcctagt	1080
gaaagaggca	aattttctacg	taagaaggaa	gaatccagca	agaatatcca	acagtcaaat	1140
cacttgccca	aatatgaacg	ggtcaaagaa	ctatgccagc	aggccaggta	ccagacagcc	1200
tgtgaacaac	cggggcgagaa	gtggcaatgc	attgaggata	catctggcaa	gcttcgaatt	1260
cacaagtgt	aaggaccagg	tgacctgctc	acagtcgggc	agagcacgcg	gaacctctac	1320
gctcgcggct	tccatgacaa	agacaaaagag	tgcagttgta	gggagctctg	ttaccgtgcc	1380
agcagaagcc	aaagaaagag	tcaacggcaa	ttcttgagaa	accaggggac	tccaaagtac	1440
aagcccagat	ttgtccatac	tggcgagaca	cgttccttgt	ccgtcgatt	tgaaggtgaa	1500
atatatgaca	taaactctgga	agaagaagaa	gaattgcaag	tgttgcaacc	aagaaacatt	1560
gctaagcgct	atgatgaagg	ccacaagggg	ccaagagatc	tccaggcttc	cagtgggtggc	1620
aacaggggca	ggatgctggc	agatagcagc	aacgcctggg	gcccacttac	cactgtccga	1680
gtgacacaca	agtgttttat	tcttcccaat	gactctatcc	attgtgagag	agaactgtac	1740
caatcggcca	gagcgtggaa	ggaccataag	gcatacattg	acaaagagat	tgaagctctg	1800
caagataaaa	ttaagaattt	aagagaagt	agaggacatc	tgaagagaag	gaagcctgag	1860
gaatgtagct	gcagtaaa	aagctattac	aataaagaga	aaggtgtaaa	aaagcaagag	1920
aaattaaaga	gccatcttca	cccattcaag	gaggctgctc	aggaagtaga	tagcaaaactg	1980
caacttttca	aggagaacaa	ccgtaggagg	aagaaggaga	ggaaggagaa	gagacggcag	2040
aggaaggggg	aagagtgcag	cctgcctggc	ctcacttgct	tcacgcatga	caacaaccac	2100
tggcagacag	ccccgttctg	gaacctggga	tctttctgtg	cttgccagag	ttctaacaat	2160
aacacctact	ggtgtttg	tacagttaat	gagacgcata	atcttctttt	ctgtgagttt	2220
gctactggct	ttttggagta	ttttgatatg	aatacagatc	cttatcagct	cacaaatata	2280
gtgcacacgg	tagaacgagg	cattttgaat	cagctacaag	tacaactaat	ggagctcaga	2340
agctgtcaag	gatataagca	gtgcaaccca	agacctaa	atcttgatgt	tggaaataaa	2400
gatggaggaa	gctatgacct	acacagagga	cagttatggg	atggatggga	aggttaatca	2460
gccccgtctc	actgcagaca	tcaactggca	agcctagag	gagctacgca	gtgtgaatga	2520
aaacatctat	gagtgcagac	aaaactacag	acttagctctg	gtggactgga	ctaattactt	2580
gaagcattta	gatagagtat	ttgactgct	gaagagtcac	tatgagcaaa	ataaaacaaa	2640
taagactcaa	actgctcaaa	gtgacgggtt	cttggttctc	tctgctgagc	acgctgtgtc	2700

```

aatggagatg gcctctgctg actcagatga agacccaagg cataaggttg ggaaaaacacc 2760
tcatttgacc ttgccagctg accttcaaac cctgcatttg aaccgaccaa cattaagtcc 2820
agagagtaaa cttgaatgga ataacgacat tccagaagtt aatcatttga attctgaaca 2880
ctggagaaaa accgaaaaat ggacggggca tgaagagact aatcatctgg aaaccgattt 2940
cagtggcgat ggcatgacag agctagagct cgggcccgag cccaggctgc agcccattcg 3000
caggcacccg aaagaacttc cccagtatgg tggctcctgga aaggacattt ttgaagatca 3060
actatatctt cctgtgcatt ccgatggaat ttcagttcat cagatgttca ccatggccac 3120
cgcagaacac cgaagtaatt ccagcatagc ggggaagatg ttgaccaagg tggagaagaa 3180
tcacgaaaag gagaagtcac agcacctaga aggcagcgcc tcctcttcac tctcctctga 3240
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atggatcaca tattgtttga cattaagctt ttgccagaaa atgttgcag tgttttacct 3900
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atctaaagat cttttatttt catctttttt ggttttcttg gcatgactaa gaagcttaaa 4140
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atgattatth gtaagacctt caccaagttc tgatatcttt taaagacata gttcaaaatt 4320
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tgaataatgt gctttgtaaa aagatttcaa gttattagga agcatactct gttttttaat 4740
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<210> 366

<211> 818

<212> PRT

<213> Homo sapiens

<400> 366

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Asp Val Glu Leu Gly Ser Leu Gln Val Met Asn Lys Thr Arg Lys Ile
          5              10              15
Met Glu His Gly Ala Thr Phe Ile Asn Ala Phe Val Thr Thr Pro
          20              25              30
Met Cys Cys Pro Ser Arg Ser Ser Met Leu Thr Gly Lys Tyr Val His
          35              40              45
Asn His Asn Val Tyr Thr Asn Asn Glu Asn Cys Ser Ser Pro Ser Trp
          50              55              60
Gln Ala Met His Glu Pro Arg Thr Phe Ala Val Tyr Leu Asn Asn Thr
          65              70              75              80
Gly Tyr Arg Thr Ala Phe Phe Gly Lys Tyr Leu Asn Glu Tyr Asn Gly

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				85					90				95		
Ser	Tyr	Ile	Pro	Pro	Gly	Trp	Arg	Glu	Trp	Leu	Gly	Leu	Ile	Lys	Asn
			100					105					110		
Ser	Arg	Phe	Tyr	Asn	Tyr	Thr	Val	Cys	Arg	Asn	Gly	Ile	Lys	Glu	Lys
		115					120					125			
His	Gly	Phe	Asp	Tyr	Ala	Lys	Asp	Tyr	Phe	Thr	Asp	Leu	Ile	Thr	Asn
	130					135					140				
Glu	Ser	Ile	Asn	Tyr	Phe	Lys	Met	Ser	Lys	Arg	Met	Tyr	Pro	His	Arg
145					150					155					160
Pro	Val	Met	Met	Val	Ile	Ser	His	Ala	Ala	Pro	His	Gly	Pro	Glu	Asp
				165					170					175	
Ser	Ala	Pro	Gln	Phe	Ser	Lys	Leu	Tyr	Pro	Asn	Ala	Ser	Gln	His	Ile
			180					185					190		
Thr	Pro	Ser	Tyr	Asn	Tyr	Ala	Pro	Asn	Met	Asp	Lys	His	Trp	Ile	Met
		195					200					205			
Gln	Tyr	Thr	Gly	Pro	Met	Leu	Pro	Ile	His	Met	Glu	Phe	Thr	Asn	Ile
	210					215					220				
Leu	Gln	Arg	Lys	Arg	Leu	Gln	Thr	Leu	Met	Ser	Val	Asp	Asp	Ser	Val
225					230					235					240
Glu	Arg	Leu	Tyr	Asn	Met	Leu	Val	Glu	Thr	Gly	Glu	Leu	Glu	Asn	Thr
				245					250					255	
Tyr	Ile	Ile	Tyr	Thr	Ala	Asp	His	Gly	Tyr	His	Ile	Gly	Gln	Phe	Gly
			260					265					270		
Leu	Val	Lys	Gly	Lys	Ser	Met	Pro	Tyr	Asp	Phe	Asp	Ile	Arg	Val	Pro
		275					280					285			
Phe	Phe	Ile	Arg	Gly	Pro	Ser	Val	Glu	Pro	Gly	Ser	Ile	Val	Pro	Gln
	290					295					300				
Ile	Val	Leu	Asn	Ile	Asp	Leu	Ala	Pro	Thr	Ile	Leu	Asp	Ile	Ala	Gly
305					310					315					320
Leu	Asp	Thr	Pro	Pro	Asp	Val	Asp	Gly	Lys	Ser	Val	Leu	Lys	Leu	Leu
				325					330					335	
Asp	Pro	Glu	Lys	Pro	Gly	Asn	Arg	Phe	Arg	Thr	Asn	Lys	Lys	Ala	Lys
			340					345					350		
Ile	Trp	Arg	Asp	Thr	Phe	Leu	Val	Glu	Arg	Gly	Lys	Phe	Leu	Arg	Lys
		355					360					365			
Lys	Glu	Glu	Ser	Ser	Lys	Asn	Ile	Gln	Gln	Ser	Asn	His	Leu	Pro	Lys
	370					375					380				
Tyr	Glu	Arg	Val	Lys	Glu	Leu	Cys	Gln	Gln	Ala	Arg	Tyr	Gln	Thr	Ala
385					390					395					400
Cys	Glu	Gln	Pro	Gly	Gln	Lys	Trp	Gln	Cys	Ile	Glu	Asp	Thr	Ser	Gly
				405					410					415	
Lys	Leu	Arg	Ile	His	Lys	Cys	Lys	Gly	Pro	Ser	Asp	Leu	Leu	Thr	Val
			420					425					430		
Arg	Gln	Ser	Thr	Arg	Asn	Leu	Tyr	Ala	Arg	Gly	Phe	His	Asp	Lys	Asp
		435					44								

515 520 525
 Lys Gly Pro Arg Asp Leu Gln Ala Ser Ser Gly Gly Asn Arg Gly Arg
 530 535 540
 Met Leu Ala Asp Ser Ser Asn Ala Val Gly Pro Pro Thr Thr Val Arg
 545 550 555 560
 Val Thr His Lys Cys Phe Ile Leu Pro Asn Asp Ser Ile His Cys Glu
 565 570 575
 Arg Glu Leu Tyr Gln Ser Ala Arg Ala Trp Lys Asp His Lys Ala Tyr
 580 585 590
 Ile Asp Lys Glu Ile Glu Ala Leu Gln Asp Lys Ile Lys Asn Leu Arg
 595 600 605
 Glu Val Arg Gly His Leu Lys Arg Arg Lys Pro Glu Glu Cys Ser Cys
 610 615 620
 Ser Lys Gln Ser Tyr Tyr Asn Lys Glu Lys Gly Val Lys Lys Gln Glu
 625 630 635 640
 Lys Leu Lys Ser His Leu His Pro Phe Lys Glu Ala Ala Gln Glu Val
 645 650 655
 Asp Ser Lys Leu Gln Leu Phe Lys Glu Asn Asn Arg Arg Arg Lys Lys
 660 665 670
 Glu Arg Lys Glu Lys Arg Arg Gln Arg Lys Gly Glu Glu Cys Ser Leu
 675 680 685
 Pro Gly Leu Thr Cys Phe Thr His Asp Asn Asn His Trp Gln Thr Ala
 690 695 700
 Pro Phe Trp Asn Leu Gly Ser Phe Cys Ala Cys Thr Ser Ser Asn Asn
 705 710 715 720
 Asn Thr Tyr Trp Cys Leu Arg Thr Val Asn Glu Thr His Asn Phe Leu
 725 730 735
 Phe Cys Glu Phe Ala Thr Gly Phe Leu Glu Tyr Phe Asp Met Asn Thr
 740 745 750
 Asp Pro Tyr Gln Leu Thr Asn Thr Val His Thr Val Glu Arg Gly Ile
 755 760 765
 Leu Asn Gln Leu His Val Gln Leu Met Glu Leu Arg Ser Cys Gln Gly
 770 775 780
 Tyr Lys Gln Cys Asn Pro Arg Pro Lys Asn Leu Asp Val Gly Asn Lys
 785 790 795 800
 Asp Gly Gly Ser Tyr Asp Leu His Arg Gly Gln Leu Trp Asp Gly Trp
 805 810 815
 Glu Gly

<210> 367
 <211> 361
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 367
 ttnggnttta anaagtacca atttaataat gaataacttan aaatatggna cncagatacc 60
 atagtaatat aaaatgcata caattttaaa ttatttttctt ataaactctn tacatgaatg 120
 gctggcggct tccaacanat aaacttttgg acaaaggnac aanatatttt tgggcattca 180

```

ttttaaatcac catctagtta tccaattagag aggnnttctaa aaaaataaat atgacaaata 240
tatggatttcc tgaagtataa actgacatac aaatctatat attttcttaa tacttttcat 300
taaagcatctt ttaaagcatt ctgtaacatg aagttganag ttcaaattan atgtaatgaa 360
a 361

```

```

<210> 368
<211> 558
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = A,T,C or G

```

```

<400> 368
ccagtgtggt ggaattcgac tcgtctcagg ccagttgcag ccttctcagc caaacgccga 60
ccaaggaaaa ctactaccac tgagaattgc agtgatttgc ttttgccctc taggcatcac 120
ctgtgccata ccagttaaac aggtctgattc tggaagttct gagggaaaagc agctttacaa 180
caantaccca gatgctgtgg ccacatggct aaacctgac ccctctcaga agcagaatct 240
cctagcccca cagaatgctg tgcctcttga agaaaccaat gacttttaac aagagaccct 300
tccaagtaag tccaacgaaa gccatgacca catggatgat atggatgatg aagatgatga 360
tgaccatgtg gacagccagg actccattga ctogaacgac tctgatgatg tagatgacac 420
tgatgattct caccagtctg atgagtctca ccattctgat gaatctgatg aactggtcac 480
tgattttccc acggacctgc cagcaaccga agttttcact ccagttgtcc ccacagtaga 540
cacatatgat ggccgagg 558

```

```

<210> 369
<211> 1021
<212> DNA
<213> Homo sapiens

```

```

<400> 369
tttttacaaac atatattcttt aattaaatth atattggkgg gtttaaaaaa cattaagtca 60
ggagatgata gctagggaaa taaggatatcc tgtgagtatt tataacaaaa tattttaaatt 120
ttaaaaagaa taagaaacat caattggctt tttgttaactt aaaagagact aaccaagtgt 180
tgtttccagc ttctgtacaa gcagaggcca caggaggatt cttacataag aagcacaggg 240
aaaagaattg ttaattctgc gtgtgtgttt ttgtttctca gaattgtttg gaagaacttt 300
gtccagtcag aaatgagtaa aaacaagatg taagaaacat taaaacaggg ggcatatggt 360
cttaagagat aatcttggag aatatagcaa aagacaaatt gctccattag atattataat 420
ttggtatgta acatgaacat ttaaaattct gattaaagtg actaaaaggg tttgtttttt 480
aaaaaaaaatc aaacagaaac ttacgggata aaactcaaaa taaattttact ctcagtagta 540
acttgatgta ggaatataag tcctctcact ttgataaaca tgaatataaa atattgctgt 600
ctgtattcta gggtttccta cattttctgt aaagagtgat tcatgctatg tcatatgtaa 660
atgactcaac attttgagct aaaaggctgt tcacaatata cacattcttt acttacaaag 720
caaaaataagc ttaacacctt tatattaaaa acccgggata cagcaggatt agtagcaccg 780
tgaaaaataa ttcttccac aaactgcagt cttttatttt actcaatgtg actcttctct 840
taattgaatt tttaattgtac catttttagta actgggcaaa atatataatt ttcattttat 900
aattcttgga gaaagtcatt ctggacccaa aaagtaaaatt cacttcttta tttctttagt 960
agaaaaataa tagagacttt gctctggcgc attgctgagg tacatctgaa tcttcatggt 1020
t 1021

```

```

<210> 370
<211> 204

```



```
<220>
<221> misc_feature
<222> (1)...(204)
<223> n = A,T,C or G
```

```
<210> 371
<211> 628
<212> DNA
<213> Homo sapiens
```

```
<210> 372
<211> 473
<212> DNA
<213> Homo sapiens
```

```
<210> 373
<211> 283
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
```

<223> n = A, T, C or G

tttaagtcaa	tgctttttat	ttttagtttt	tctgaagaca	aagctcttat	aagaatcaca	60
gatgaaagat	caggcacaaa	tcacattttc	ccccttaata	acaaaataca	aatccaataa	120
ttttagaaaa	tcagttttta	gtgaccana	tgctggaga	aaagctgcca	ggatttttct	180
ggtctatcgc	agaattttct	acatcaatga	gaaggatgct	gcatactctg	gctgtattat	240
ttcctaccgn	gagaaaagaa	acttaatata	tggaacatgc	ttt		283

<213> Homo sapiens

$\langle 223 \rangle$ n = A, T, C or G

tccagntgtg	tggaattccg	cgcgcggggc	gctgctgctg	gcgctgctgc	tggctcgggc	60
tggactcagg	aagccggagt	cgcaggaggc	ggcgccctta	tcaggaccat	gcggccgacg	120
ggtcatcacg	tcgcgcacgc	tgggtggaga	ggacgcgcga	ctcgggcgtt	ggccgtggca	180
ggggagcctg	cgctgtggg	attccacgt	atgcggagt	agcctgctca	gccaccgtg	240
ggcactcacg	gcggcgcact	gctttgaaac	tgaccttagt	gatccctccg	gttgatggt	300
ccagtttggc	cagctgactt	ccatgccatc	cttctggagc	ctgcaggcct	actgacaccg	360
ttacttcgta	togaatatct	atctgagccc	tcgctacctg	gggaattcac	cctatgacat	420
tgccttggtg	aagctgtctg	cacctgtcac	ctacactaaa	cacatccagc	ccatctgtct	480
ccaggccttc	acatttgagt	ttgagaaccg	gacagactgc	tgggtgact		529

<213> Homo sapiens

$\langle 223 \rangle$ n = A, T, C or G

tttgaattta	naccaagaac	ttctcaataa	aagaaaatca	tgaatgctcc	acaatttcaa	60
cataccacaa	gagaagttaa	tttcttaaca	ttgtgttcta	tgattatttg	taagaccttc	120
accaagttct	gatatctttt	aaagacatag	ttcaaaattg	cttttgaaaa	tctgtattct	180
tgaaaatatc	cttgtttgtg	attaggtttt	taaataccag	ctaaaggatt	acctcactga	240
gtcatcagta	ccctcctatt	cagctcccca	agatgatgtg	tttttgctta	ccctaagaga	300
ggttttcttc	ttatttttag	ataattcaag	tgcttagata	aattatgttt	tctttaagtg	360
tttatggtaa	actcttttaa	agaaaattta	atatgttata	gctgaatctt	tttggttaact	420
ttaaactctt	atcatagact	ctgtacatat	gttcaaatta	gctgcttgcc	tgatgtgtgt	480
atcatcggtg	ggatgacaga	acaaacatat	ttatgatca			519

<211> 171

<212> DNA
<213> Homo sapiens

<400> 376
tcaagatttta gccaaaggctg tggcaaagggt gtaacttgta aacttgagtt ggagtactat 60
atttacaaat aaaattggca ccatgtgccca tctgtacata ttactgttgc atttactttt 120
aataaagctt gtggcccctt ttactttttt atagcttaaa aaaaaaaaaa a 171

<210> 377
<211> 270
<212> DNA
<213> Homo sapiens

<400> 377
ccagtgtggt ggaattaatc aggcctccca aatttagcag gtgctgggga ggaccctagg 60
gagtggttta tgggggctag ctggtgaaac tgccctttcc tttctgttct atgagtgtga 120
tggtgtttga gaaaatgtgg ggctatgggt caggcgcaact tcacatgtgc aaagatggag 180
aaagcactca cctacacgtt taggctcaga atattgattg aaacattttg aatgatcaaa 240
aataaaatgt tattttttaa gtttcaaaaa 270

<210> 378
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 378
ccagtgtggt ggaattcgcc actgctaggg tttacaggtc atccctggat taaataagtg 60
atattgtggt ttttttttct ttgacacaaa gtaaaattat aattaatatt gaataaagta 120
aaaatgaact ccagtgnngn ggaattcgcc actcaggaaa tattagttgc atgaacgaag 180
gtgtcatttt catcanaaca acatgcagtt caacccttc atgtttcaat gagggttcan 240
atncccanag ggctatgcta tcatcctgga gccactctg ctaacaatta gcanaacgga 300
agccttaatt tccanattct agtgaacttg atgagtcaan actattgcaa ttggaaatct 360
gttctcctct gctgctgcat tccctgctta atactcaagc canaaaccag gaaggt 416

<210> 379
<211> 576
<212> DNA
<213> Homo sapiens

<400> 379
ttcctatgat cattaaactc attctcaggg ttaagaaagg aatgtaaatt tctgcctcaa 60
tttgtacttc atcaataagt ttttgaagag tgcagatttt tagtcaggtc ttaaaaataa 120
actcacaaat ctggatgcat ttctaaattc tgcaaatggt tcctggggtg acttaacaag 180
gaataatccc acaatatacc tagctacctt atacatggag ctgggggtca acccactgtt 240
tttaaggatt tgcgcttact tgtggctgag gaaaaataag tagttcgagg aagtagtttt 300
taaagtgtgag cttatagata gaaacagaat atcaacttaa ttatgaaatt gttagaacct 360
gttctcttgt atctgaatct gattgcaatt actattgtac tgatagactc cagccattgc 420
aagtctcaga tatcttagct gtgtagtgat tcttgaaatt cttttttaaga aaaattgagt 480
agaaagaaat aaaccctttg taaatgaggc ttggcctttt tgaaagatca tccgcaggct 540

576

<211> 347

<213> Homo sapiens

ccagtgtggt	ggaattcgga	gagaaggaag	ctgtggggccc	agccgaggaa	gcgaaaaacc	60
aaacaagcag	ttcccattgt	ggaaccccaa	gaacctgaga	tcaactaaa	atatgccacc	120
cagccactgg	ataaaaactga	tgccaagaac	aagtcctttt	acccttacat	ccatgtagta	180
aataagtgtg	aacttgggagc	cgttttgtaca	atcatcaatg	ctgaggaaga	agaacagacc	240
aaattagtga	ggggcaggaa	gggtcagagg	tcactgacc	ctccacctag	cgcactgaa	300
agcaaggcgc	tcccggcctc	gtcctttatg	ctgcaggggac	ctgttgt		347

<211> 258

<213> Homo sapiens

gacaagctcc	tggtcttgag	atgtcttctc	gttaaggaga	tgggcctttt	ggaggtaaag	60
gataaaatga	atgagttctg	tcatgattca	ctattctaga	acttgcattga	cctttactgt	120
gttagctctt	tgaatggtct	tgaattttta	gactttcttt	gtaaacaaat	gatatgtcct	180
tatcattgta	taaaagctgt	tatgtgcaac	agtgtggaga	ttccttgtct	gatttaataa	240
aatactttaa	cactgaaa					258

<211> 580

<213> Homo sapiens

gccgtaggga	gtacctgctg	cccagctga	ctgtggcccc	ctccgtgac	catccatctc	60
caggagacaa	gacagagacg	caggaatgga	aagcggagtt	cctaacagga	tgaaagttcc	120
cccatcagtt	ccccagtac	ctccaagcaa	gtagctttcc	acatttgtca	cagaaatcag	180
aggagagatg	gtgttgagg	ccctttggag	aacgccagtc	tcccaggccc	cctgcactca	240
tcgagtttgc	aatgtcacia	cctctctgat	cttgtgtctca	gcatgattct	ttaatagaag	300
ttttattttt	tcgtgcactc	tgctaatacat	gtgggtgagc	cagtggaaaca	gcgggagacc	360
tgtgctagtt	ttacagattg	cctcctaattg	acgcggctca	aaaggaaacc	aagtggtcag	420
gagttgtttc	tgacccactg	atctctacta	ccacaaggaa	aatagtttag	gagaaaccag	480
cttttactgt	ttttgaaaaa	ttacagcttc	accctgtcaa	gttaacaagg	aatgcctgtg	540
ccaataaaaag	gtttctccaa	cttgaagtct	actctgaaaa			580

<211> 608

<213> Homo sapiens

gtgctagatg	aaaagcgtgc	aatatgyttt	aaagctatca	acaaaaactg	aatattataa	60
gcaagcaata	tcatagtaat	tggcagatta	gctcatattc	tatacagcat	cgtttaaata	120
ggaaaaattt	aatgctagca	aaaaataaat	ttagaaatat	ggcatgacat	gaaaatacaa	180
tcttatattt	acaccagctt	ttcactaata	ttttgtacct	aagggtgatgg	ggaactccat	240

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<210> 384
<211> 585
<212> DNA
<213> Homo sapiens
```

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<210> 385
<211> 511
<212> DNA
<213> Homo sapiens
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<400>	385						
atattgtaca	gtattttatcg	agataaacat	ggtwatcaaa	atgtccattg	tttataagct	60	
gagaatttgc	caatatTTTT	caaggagagg	cttcttgctg	aattttgatt	ctgcagctga	120	
aatttaggac	agttgcaaac	gtgaaaagaa	gaaaattatt	caaatttgga	cattttaatt	180	
gtttaaaaat	tgtacaaaag	gaaaaaatta	gaataagtac	tggcgaaacca	tctctgtggt	240	
cttgttttaa	aaggggcaaaa	gttttagact	actaaatTTT	ttaacagtaa	gttataaaaat	300	
ttagtagtct	aaaacttata	acttactggt	aaaagcaaaa	atggccatgc	aggttgacac	360	
cgttggtaat	ttataatagc	ttttgttcga	tcccaacttt	ccattttggt	cagataaaaa	420	
aaaccatgaa	attactgngt	ttgaaatatt	ttcttatggt	ttgtaatatt	tctgtaaatt	480	
tattgtgata	ttttaaggnt	ttccccctt	t			511	

```
<210> 386
<211> 311
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> (1)...(311)
```

<223> n = A,T,C or G

<400> 386

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gtggaattcc atgaatntag ttcccatcat gacttanaag gtgctgtagg tgggtactac 60
ccagaaccca gtnagctttg tcaattggat caaagtgatt ctgatttcca tggagatcct 120
acatttcaac acgtatttca taaccacact taccacttac agccaactgc accagaatct 180
acttctgaac cttttccgtg gcctgggaag tcacagaaga taaggagtag ataccttgaa 240
gacacagata gaaacttgag ccgtgatgaa cagcngcta aagctttgca tatccctttt 300
tctgtagatg a                                     311
```

<210> 387

<211> 461

<212> DNA

<213> Homo sapiens

<400> 387

```
cacagatagc aagacttcat ttcaggagtt gggagtggga agtaggaagt gtttaatccc 60
aagtttttgt gccctaaaat ggctagtagt atagttaatt ctcaattctc tagctgtgat 120
cttctgtgcc ttctatctct tctaaggaa aaccacatta gatgaaccca gggctcagtc 180
attttaggga gaggttgag acaacactgc cagcaacaca gctggaatca cccgagtcgg 240
gaacattaaa gttcctgaga gaatatgaaa caactatcaa cataatattt ctccctactt 300
ttacagtaaa atattggaag taaataaata tagggaatgc aacaactggc taggagtgtt 360
ttacattcag ttgtttggaa gcataacaca ttcagctcct ttgaatcttc ccgttagaaa 420
atacagaatt actctatcac cttttaaggt acagtaaaaa a                                     461
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<210> 388

<211> 555

<212> DNA

<213> Homo sapiens

<400> 388

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ggataaaggc cagggatgct gctcaacctc ctaccatgta caggacgtct cccattaca 60
actacccaat ccgaagtgtc aactgtgtca ggactaagaa accctggttt tgagtagaaa 120
agggcctgga aagaggggag ccaacaaatc tgtctgcttc ctacattag tcattggcaa 180
ataagcattc tgtctctttg gctgctgcct cagcacagag agccagaact ctatcgggca 240
ccaggataac atctctcagt gaacagagtt gacaaggcct atgggaaatg cctgatggga 300
ttatcttcag cttgttgagc ttctaagttt ctttcccttc attctaccct gcaagccaag 360
ttctgtaaga gaaatgcctg agttctagct caggttttct tactctgaat ttagatctcc 420
agacccttcc tggccacaat tcaaattaag gcaacaaaca tataccttcc atgaagcaca 480
cacagacttt tgaaagcaag gacaatgact gcttgaattg aggccttgag gaatgaagct 540
ttgaaggaaa agaata                                     555
```

<210> 389

<211> 563

<212> DNA

<213> Homo sapiens

<400> 389

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ttatttttgt cagctgagta ccatcaggat atttaaccct ttaagtgtg ttttgggagt 60
agaaaactaa agcaacaata cttcctcttg acagctttga ttggaatggg gttattagat 120
cattcacctt ggtcctacac tttttaggat gcttggtgaa cataacacca cttataatga 180
acatccctgg ttctatatt ttgggctatg tgggtaggaa ttgttacttg ttactgcagc 240
agcagcccta gaaagtaagc ccagggttcc agatctaagt tagtccaaaa gctaaatgat 300
ttaaagtcaa gttgtaatgc taggcataag cactctataa tacattaaat tataggccga 360
```

```

gcaattaggg aatgtttctg aaacattaaa cttgtattta tgtcactaaa attctaacac 420
aaacttaaaa aatgtgtctc atacatatgc tgtactaggc ttcatcatgc atttctaaat 480
ttgtgtatga tttgaatata tgaaagratt tatacaagag tgttatttaa aattattaaa 540
aataaatgta tataatttga aaa 563

```

<210> 390

<211> 278

<212> DNA

<213> Homo sapiens

<400> 390

```

gaacattatg ttttagatgg gtagtactag ctactcatct gtcccccaga aaccaagct 60
aagcatggac atattgaaga gaatgtcagc accattaaaa aaactctaga aaaatcacat 120
gtgatgactg aggttaattc agtctgtcaa ttacatcagt ataattgcct tcttgtaacc 180
ctaagtatgg tgaagcagaa ttgaattcta caaaagtctt tcatctgttt tcctatggaa 240
taattaacaa acccaataaa tgtataaata gcatgaaa 278

```

<210> 391

<211> 578

<212> DNA

<213> Homo sapiens

<400> 391

```

cggcgctcgg ctcgcaggat ggatcccgta cccgggacag actcggcgcc gctggctggc 60
ctggcctggg cgtcggcctc tgcacccccg ccgcgggggt tcagcgcgat ctccctgcacc 120
gtcgaggggg caccgcgacg ctttggaag agcttcgcgc agaaatctgg ctacttcctg 180
tgccttagtt ctctgggcag cctagagaac ccgcaggaga acgtgggtggc cgatatccag 240
atcgtggtgg acaagagccc cctgccgctg ggcttctccc ccgtctgcga ccccatggat 300
tccaaggcct ctgtgtccaa gaagaaacgc atgtgtgtga agctgttgcc cctgggagcc 360
acggacacgg ctgtgtttga tgtccggctg agtgggaaga ccaagacagt gcctggatac 420
cttcgaatag gggacatggg cggctttgcc atctggtgca agaaggccaa ggccccgagg 480
ccagtgcaca agccccgagg tctcagccgg gacatgcagg gcctctctct ggatgcagcc 540
agccagccaa gtaaggggcg cctcctggag cggacagc 578

```

<210> 392

<211> 439

<212> DNA

<213> Homo sapiens

<400> 392

```

ttcaacaaac cttgtatagt gtatgttttg ccatatttaa tattaatagc agaggaagac 60
tccttttttc atcactgtat gaatttttta taatgttttt ttaaaatata tttcatgtat 120
aottataaac taattcacac aagtgtttgt ottagatgat taaggaagac tataatctaga 180
tcatgtctga ttttttattg tgacttctcc agccctggtc tgaatttctt aagggttttat 240
aaacaaatgc tgctatttat tagctgcaag aatgcacttt agaactatth gacaattcag 300
actttcaaaa taaagatgta aatgactggc caataataac catttttagga aggtgttttg 360
aattctgtat gtatatattc actttctgac atttagatat gccaaaagaa ttaaaatcaa 420
aagcactaag aaataaaaa 439

```

<210> 393

<211> 544

<212> DNA

<213> Homo sapiens

<400> 393

```

tttgaattta caccaagaac ttctcaataa aagaaaatca tgaatgctcc acaatttcaa 60
cataccacaa gagaagttaa ttctttaaca ttgtgttcta tgattatttg taagaccttc 120
accaagttct gatatctttt aaagacatag ttcaaaattg cttttgaaaa tctgtattct 180
tgaaaatatc cttgttgtgt attaggtttt taaataccag ctaaaggatt acctcactga 240
gtcatcagta ccctcctatt cagctcccca agatgatgtg tttttgctta ccctaagaga 300
ggttttcttc ttattttttag ataattcaag tgcttagata aattatgttt tctttaagtg 360
tttatggtaa actcttttaa agaaaattta atatgttata gctgaatctt tttggtaact 420
ttaaatcttt atcatagact ctgtacatat gttcaaatta gctgcttgcc tgatgtgtgt 480
atcatcgggtg ggatgacaga acaaacatat ttatgatcat gaataatgtg ctttgtaaaa 540
agat 544

```

<210> 394

<211> 424

<212> DNA

<213> Homo sapiens

<400> 394

```

aaacatcatt tagcagcaat gaacctgtca acacatggaa ataaggttta cagtcatgca 60
aatgtccatt taactttgtt tgagccaaac aaatataaca gtaaaactaat tagactggct 120
tacatccccg tagacagtga aaccaattat ttcttaaaga agggtttgct tgtttttact 180
ctagggcaaa ggtgcataac ttcttgtaat actcctgaat agttcttcaa atcaggacag 240
ataaagttgg caactgatgg aatagctacc ttgatgtgca aatgggtggg tctttaatta 300
ggttcattta tataattgag aaagaagcca ggggaatgcat ttgtgcaagg atgattttta 360
aagaagaggg atggctctgcc ttttaattct gtatgggagg aaaattcata aaaaactgaa 420
aaaa 424

```

<210> 395

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(279)

<223> n = A,T,C or G

<400> 395

```

ttcctatgat nattaaactc attctcaggg ttaagaaagg aatgtaaatt tctgcctcaa 60
tttgcacttc atcaataagt ttttgaagag tgcagatttt tagtcaggto ttaaaaaataa 120
actcacaaat ctggatgcat ttctaaattc tgcaaatgtt tcctgggggtg acttaacaag 180
gaataatccc acaatatacc tagctacctt atacatggag ctgggggctca acccactgtt 240
tttaaggatt tgcgcttact tgtggctgan gaaaaataa 279

```

<210> 396

<211> 3293

<212> DNA

<213> Homo sapiens

<400> 396

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cagccccggg ccaggccgcg gccggggcag gagcgcaggg gctttgttat gcacctaaag 60
ccatattgga agctccagaa gaaagagcac cccccggaag tcagcaggga aacgcagaga 120
actcctatga accacaaaaa ggctgtaaat gatgaaacat gcaaagctag ccacataaca 180

```


tcaagtgtct	ttccttcagc	ctctctcggt	aaagcatcat	ctcgaaagcc	atttgggato	240
ctttctccaa	atgtttctgtg	cagtatgagt	gggaagagtc	ctgtagagag	cagcttgaat	300
gttaaaacca	aaaagaatgc	accatctgca	acgatccacc	agggcgaaga	agaaggacca	360
cttgatatct	gggctgttgt	gaaacctgga	aataccaagg	aaaaaattgc	attctttgca	420
tcccaccagt	gtagtaacag	gataggatct	atgaaaataa	aaagttcctg	ggatattgat	480
gggagagcta	ctaagagaag	gaaaaaatca	ggggatctta	aaaaagccaa	ggtacagggtg	540
gaaaggatga	gggagggttaa	cagcagggtgc	taccaacctg	agccttttgc	atgtggcatt	600
gagcactgtt	ctgtgcacta	tgtgagtgac	agtggggatg	gagtctatgc	tgggaggcct	660
ctgtcagtta	tacagatggg	tgccttcttg	gagcaaagag	ccagtgcctc	gctagctagc	720
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gtgcctgcag	tgtctgagtc	ctattctgcc	ccaggagcct	gtgaagaacc	cacagaaagg	840
ggaaatcttg	aggttggtga	accacagagc	gaaccagtc	gtgtccttga	catggtagcc	900
aagttggagt	ctgagtgcct	gaagcggcag	ggccagcgtg	agcctgggag	cctctcaagg	960
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gacagtgcag	agtttagagcc	gggttcgcaa	actgccgtga	aaaacagcaa	cagatatgat	1260
gtggaaatga	cagatgaact	cggttgggtta	cctttttcct	ctcataccta	ttcccaagcc	1320
tctgaattgc	ccacagatgc	tgttgattgt	atgagcagag	agcttgtgtc	ccttactagc	1380
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atccagcagc	ttttggagcc	tcagcagtag	atggcttttc	tgccccacca	cattatggta	1800
aaaatcttca	ggttacttcc	caccaagagt	ttagtggccc	ttaaatgtac	ctgctgctat	1860
ttcaagttta	tcattgagta	ctacaatatc	aggccagcag	attctcgtcg	ggttcgagat	1920
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tcctgtgccc	gatggcaccc	caagccctat	tgccaggcat	tgccctatgg	gccagggtat	2040
tggatgtgct	gccaccggct	tcagaaagga	ttccctggct	gtaagctggg	gcttcagtac	2100
aatcactggg	ttcctgcctg	ccacagcttt	aatcgggcaa	tccataagaa	agcaaaaagg	2160
actgaagctg	aagaggaata	ctaaagtcca	tgtgagaggc	aacaaaagga	ccggtttcta	2220
aagctgcaaa	acacctagat	acaccgttca	aatgagcgta	gccccctgag	tcactactct	2280
agaagaatct	gtacatcatc	aggactgcat	tgtcaggcca	ttttctaaac	tctaaattta	2340
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tggatatcca	cagttggatt	cagttggctg	tgaataactg	cctgttttcc	taaatcaaac	2460
ccatcctcaa	aggatgaaga	ctcaccacca	tcaggacat	tcagaagagt	tcactgcaga	2520
tgctgcaggt	agtcctcaaa	aatgggttcc	agaaatgttt	tgagcactgg	caacatattt	2580
gaaataagtg	aatattgtcc	tgtgaaaaga	atagcaggac	ttttagatga	aaagtattct	2640
taaaaagaaa	agtcaggcac	cccaccttag	acctcgtag	cttgatcctg	tgagattgat	2700
gtttgtggct	ggaggtggat	ttcatgccct	gtggtgttta	cagtgtatat	aatggttgtg	2760
ttttcatggg	gctatgaaag	tgcacgttaa	acctgagcgc	ctttaccttt	agatgagtgc	2820
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aacaatataa	tcaccacaa	gcagctagga	tagtggttgcg	gctataattt	tgtgtttttt	2940
ttttttaatt	gtctagtctt	aaatttgtac	atcttgtata	aaatatgaat	gtttcccaa	3000
taaactatga	atgtttcctg	tataatatat	gaatgtttct	gagaagaaac	tctaaatagt	3060
tgaaaggcta	acctgctcaa	aggataccaa	ataatggttt	aactggacaa	cctgaaaatt	3120
agcatagaaa	acaatccttt	gttatatttt	agtgatccac	aagattgaga	aaatattata	3180
tagttagata	ataacattct	tgtctacttt	atcctgtctg	gttacaaaat	tttttaaaac	3240
ttaaataaaa	acatgcatct	taaatggaaa	aaaaaaaaaa	aaaaaaactc	gag	3293


```

385          390          395          400
Asp Ser Ala Glu Leu Glu Pro Gly Ser Gln Thr Ala Val Lys Asn Ser
          405          410          415
Asn Arg Tyr Asp Val Glu Met Thr Asp Glu Leu Val Gly Leu Pro Phe
          420          425          430
Ser Ser His Thr Tyr Ser Gln Ala Ser Glu Leu Pro Thr Asp Ala Val
          435          440          445
Asp Cys Met Ser Arg Glu Leu Val Ser Leu Thr Ser Arg Asn Pro Asp
          450          455          460
Gln Arg Lys Glu Ser Leu Cys Ile Ser Ile Thr Val Ser Lys Val Asp
465          470          475          480
Lys Asp Gln Pro Ser Ile Leu Asn Ser Cys Glu Asp Pro Val Pro Gly
          485          490          495
Met Leu Phe Phe Leu Pro Pro Gly Gln His Leu Ser Asp Tyr Ser Gln
          500          505          510
Leu Asn Glu Ser Thr Thr Lys Glu Ser Ser Glu Ala Ser Gln Leu Glu
          515          520          525
Asp Ala Ala Gly Gly Asp Ser Ala Ser Glu Glu Lys Ser Gly Ser Ala
          530          535          540
Glu Pro Phe Val Leu Pro Ala Ser Ser Val Glu Ser Thr Leu Pro Val
545          550          555          560
Leu Glu Ala Ser Ser Trp Lys Lys Gln Val Ser His Asp Phe Leu Glu
          565          570          575
Thr Arg Phe Lys Ile Gln Gln Leu Leu Glu Pro Gln Gln Tyr Met Ala
          580          585          590
Phe Leu Pro His His Ile Met Val Lys Ile Phe Arg Leu Leu Pro Thr
          595          600          605
Lys Ser Leu Val Ala Leu Lys Cys Thr Cys Cys Tyr Phe Lys Phe Ile
          610          615          620
Ile Glu Tyr Tyr Asn Ile Arg Pro Ala Asp Ser Arg Trp Val Arg Asp
625          630          635          640
Pro Arg Tyr Arg Glu Asp Pro Cys Lys Gln Cys Lys Lys Tyr Val
          645          650          655
Lys Gly Asp Val Ser Leu Cys Arg Trp His Pro Lys Pro Tyr Cys Gln
          660          665          670
Ala Leu Pro Tyr Gly Pro Gly Tyr Trp Met Cys Cys His Arg Ser Gln
          675          680          685
Lys Gly Phe Pro Gly Cys Lys Leu Gly Leu His Asp Asn His Trp Val
          690          695          700
Pro Ala Cys His Ser Phe Asn Arg Ala Ile His Lys Lys Ala Lys Gly
705          710          715          720
Thr Glu Ala Glu Glu Glu Tyr
          725

```

```

<210> 398
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<400> 398
ccagtgtggt ggaattccag cctcgtgccg ggagtcgccg cattgtggtc cgcttctctg 60
cactatgtcg ggtggcctcc tgaaggcgtc ggcgcagcgc tctacgtgg agctgagcca 120
gtaccgggac cagcacttcc ggggtgacaa tgaagaacaa gaaaaattac tgaagaaaag 180

```

```

ctgtacgtta tatgttgga atctttcttt ttacacaact gaagaacaaa tctatgaact 240
cttcagcaaa agtggtgaca taaagaaaat cattatgggt ctggataaaa tgaagaaaac 300
agcatgtgga ttctgttttg tggaatatta ctcacgcgca gatgcggaaa acgccatgcg 360
gtacataaat gggacgcgtc tggatgaccg aatcattcgc aca 403

```

<210> 399

<211> 403

<212> DNA

<213> Homo sapiens

<400> 399

```

ttttgatgct ttctttcatg ggaatagtca cttttttatt tagtaaactg cattgctgga 60
accaccaagg agtgtggaat gtcottgagt gtattattta tgcaagtcac agtcacgttg 120
ccatcatggc agctatgtga aacactaata aatgtgtttt tactttttat tcccgttaaa 180
actgatgtaa aacaggataa aggcttgcta tagtcactta taagtatctg ggtctaagta 240
atttccttag atgttttctaa agaaacattt tcagctttgc tcccattatg attccaataa 300
ggaacgcctt cctagtgcaa ttttaggagt aaagtttgaa gagataaaaa tagccaaaga 360
taggagacgt ctgaattttg aatgataaac agtgatgttt taa 403

```

<210> 400

<211> 283

<212> DNA

<213> Homo sapiens

<400> 400

```

ttatttttcc cctcaaattc atgattttta cgtctgttac aaagggaatt ttgctgatag 60
ctctttgggt cccactgttc cattttatgc taatagattc cattctaggg cccagccgtc 120
tcttgactga tgggtgttccc tttaaccctt ggcatgtata atagaatttt ggtgaatgaa 180
agaacccaaa taggccagat agtcccccca ggccctgata tccataaaaag gcttgggaat 240
gcattatgta attgtcctta gtctttttgt tgttttagaa aaa 283

```

<210> 401

<211> 303

<212> DNA

<213> Homo sapiens

<400> 401

```

cataaagggt gtgcgcgtct tcgacgtggc ggtcttggcg cactgctgc gagaccggc 60
cctggacctc aaggatcatc acttggtgcg tgatccccgc gcggtggcga gttcacggat 120
ccgctcgcgc cacggcctca tccgtgagag cctacagggt gtgcgcagcc gagaccgcg 180
agctcaccgc atgcccttct tggaggccgc gggccacaag cttggcgcca agaaggagg 240
cgtgggcggc cccgcagact accacgctct gggcgctatg gaggtcatct gcaatagtat 300
ggc 303

```

<210> 402

<211> 473

<212> DNA

<213> Homo sapiens

<400> 402

```

ccaacacagt cagaaacatt gttttgaatc ctctgtaaac caaggcatta atcttaataa 60
accaggatcc atttaggtac cacttgatat aaaaaggata tccataatga atattttata 120
ctgcacccct tacattagcc actaaatacg ttattgcttg atgaagacct ttcacagaat 180
cctatggatt gcagcatttc acttggctac ttcataccca tgccttaaag aggggcagtt 240

```

```

tctcaaaagc agaaacatgc cgccagttct caagttttcc tcttaactcc atttgaatgt 300
aagggcagct ggccccaat gtggggagggt cogaacattt tctgaattcc cattttcttg 360
ttcgcggtcta aatgacagtt tctgtcatta cttagattcc gatctttccc aaagggtgtg 420
atttacaag aggccagcta atagcagaaa tcatgaccct gaaagagaga tga 473

```

```

<210> 403
<211> 513
<212> DNA
<213> Homo sapiens

```

```

<400> 403
ggcattaact tttagaattt gggctgggtga gattaatttt ttttaatatc ccagctagag 60
atatggcctt taactgacct aaagagggtgt gttgtgattt aattttttcc cgttcctttt 120
tcttcagtaa acccaacaat agtctaacct taaaaattga gttgatgtcc ttatagggtca 180
ctacccctaa ataaacctga agcagggtgtt ttctcttgga catactaaaa aatacctaaa 240
aggaagctta gatggtctgt gacacaaaaa attcaattac tgatcatctaa tgccagctgt 300
taaaagttgt gccactgagc atttgatttt ataggaaaaa atagtatttt tgagaataac 360
atagctgtgc tattgcacat ctgttgaggg acatcccaga tttgcttata ctcatgtcct 420
gtgatattga gtttaaggat ttgaggcagg ggtaattatt aaacatatgt cttctattct 480
tggaataata gaagtgtaaa atgttaataa tac 513

```

```

<210> 404
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<400> 404
ccagtgtggt ggaatttcgag gtaggctggg accataacac aagcatgact atatgaagga 60
agaggaaggt tttcctgaag atgaggcgac tgaatoggaa aaaaacttta agtttggtta 120
aagagttgga tgcctttccg aaggttcctg agagctatgt agagacttca gccagtggag 180
gtacagtttc tctaatagca ttacaacta tggttttatt aaccataatg gaattctcag 240
tatatcaaga tacatggatg aagtatgaat acgaagtaga caaggatttt tctagcaa 300
taagaattta tatagatatt actgttgcca tgaagtgtca atatgttgga gcggatgtat 360
tggatttagc agaaacaatg gttgcatctg cagatgggtt agtttatgaa ccaacagtat 420
ttgatctttc accacagcag aaagagtggc agaggatgct gcagctgatt cagagtaggc 480
tacaagaaga gcattcactt caagatgtga tatttaaaag tgcttttaaa agt 533

```

```

<210> 405
<211> 513
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

```

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<400> 405
ccagnngggt ggaatttcctt agacatattc tgagcctaca gcagaggaac ctccagtctc 60
agcaccatga atcaaactgc cattctgatt tgctgcctta tctttctgac tctaagtggc 120
attcaaggag tacctctctc tagaactgta cgctgtacct gcacagcat tagtaatcaa 180
cctgttaatc caagggtcttt agaaaaactt gaaattattc ctgcaagcca attttgtcca 240
cgtgttgaga tcattgctac aatgaaaaag aagggtgaga agagatgtct gaatccagaa 300
tcgaaggcca tcaagaattt actgaaagca gttagcaagg aaaggcttaa aagatctcct 360

```

```

taaaaccaga ggggagcaaa atcgatgcag tgcttccaag gatggaccac acagaggctg 420
cctctcccat cacttcccta catggagtat atgtcaagcc ataattgttc ttagtttgca 480
gttactactaa aaggtgacca atcatggtca cca 513

```

```

<210> 406
<211> 483
<212> DNA
<213> Homo sapiens

```

```

<400> 406
atataccatt taatacattt acacttttctt atttaagaag atattgaatg caaaataatt 60
gacatataga actttacaaa catatgtcca aggactctaa attgagactc ttccacatgt 120
acaatctcat catcctgaag cctataatga agaaaaagat ctagaaactg agttgtggag 180
ctgactctaa tcaaagtgtg tgattggaat tagaccattt ggcctttgaa ctttcatagg 240
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actattcttg tttatatattt agatactgaa aggtgctatg cttctgttat tattccaaga 360
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act 483

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<210> 407
<211> 241
<212> DNA
<213> Homo sapiens

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<220>
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agactnggct ttgttttttg tgctattagg aaattctgat gaggattact attcactgat 180
gcagaaagac gttcttttgc ataaaagact ttttttaaca ctttggactt ctctgaaata 240
t 241

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<210> 408
<211> 213
<212> DNA
<213> Homo sapiens

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<400> 408
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cggttgcagc aaagttttcc cgggattgag gggaccggcc aaggccaaag cagatgccct 180
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<210> 409
<211> 413
<212> DNA
<213> Homo sapiens

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<400> 409

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<210> 410
<211> 153
<212> DNA
<213> Homo sapiens
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153
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253

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<210> 413

<211> 632

<212> PRT

<213> Homo sapiens

<400> 413

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          20                      25                      30
Leu Ala Lys Asp Phe Glu Asp Phe Arg Lys Lys Trp Gln Arg Thr Asp
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His Glu Leu Gly Lys Tyr Lys Asp Leu Leu Met Lys Ala Glu Thr Glu
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Phe	Val	Ser	Lys	Thr	Val	Ile	Lys	Pro	Glu	Ser	Cys	Val	Pro	Cys	Gly
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Val	Val	Ser	His	Pro	Glu	Cys	Arg	Asp	Arg	Cys	Pro	Leu	Pro	Cys	Ile
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Pro	Thr	Leu	Ile	Gly	Thr	Pro	Val	Lys	Ile	Gly	Glu	Gly	Met	Leu	Ala
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Cys	Val	Asn	Glu	Ile	Glu	Gln	Arg	Gly	Leu	Thr	Glu	Thr	Gly	Leu	Tyr
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Leu	Arg	Val	Lys	Thr	Val	Pro	Leu	Leu	Ser	Lys	Val	Asp	Asp	Ile	His
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Ala	Ile	Cys	Ser	Leu	Leu	Lys	Asp	Phe	Leu	Arg	Asn	Leu	Lys	Glu	Pro
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Gln	Arg	Val	Ala	Gln	Ser	Pro	His	Thr	Lys	Met	Asp	Val	Ala	Asn	Leu
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Ala Lys Val Phe Gly Pro Thr Ile Val Ala His Ala Val Pro Asn Pro
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 Asp Pro Val Thr Met Leu Gln Asp Ile Lys Arg Gln Pro Lys Val Val
 515 520 525
 Glu Arg Leu Leu Ser Leu Pro Leu Glu Tyr Trp Ser Gln Phe Met Met
 530 535 540
 Val Glu Gln Glu Asn Ile Asp Pro Leu His Val Ile Glu Asn Ser Asn
 545 550 555 560
 Ala Phe Ser Thr Pro Gln Thr Pro Asp Ile Lys Val Ser Leu Leu Gly
 565 570 575
 Pro Val Thr Thr Pro Glu His Gln Leu Lys Thr Pro Ser Ser Ser
 580 585 590
 Ser Leu Ser Gln Arg Val Arg Ser Thr Leu Thr Lys Asn Thr Pro Arg
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<210> 414

<211> 3061

<212> DNA

<213> Homo sapiens

<400> 414

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<210> 415

<211> 732

<212> DNA

<213> Homo sapiens

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<210> 416

<211> 2846

<212> DNA

<213> Homo sapiens

<400> 416

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<210> 417

<211> 1602

<212> DNA

<213> Homo sapiens

<400> 417

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<211> 2910
<212> DNA
<213> Homo sapiens
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<210> 419

<211> 563

<212> DNA

<213> Homo sapiens

<400> 419

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<211> 2690

<212> DNA

<213> Homo sapiens

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<210> 421

<211> 3303

<212> DNA

<213> Homo sapiens

<400> 421

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<212> DNA
<213> Homo sapiens

<400> 422

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<212> DNA
<213> Homo sapiens

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ctgagagagg  ggaagagaga  gacctcggac  ctgcatgtca  agatggattt  tcccccttta  1200
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<210> 424
<211> 3075
<212> DNA
<213> Homo sapiens
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aagaagatgc	tggcaccctc	acagactata	ccaaccagct	gctccaggca	atgcagcgcg	180	
tctatggagc	ccagaatgag	atgtgcctgg	ccacacaaca	gctttctaag	caactgctgg	240	
catatgaaaa	acagaacttt	gctcttggca	aaggatgatga	agaagtaatt	tcaacactcc	300	
actatttttc	caaagtgggtg	gatgagctta	atctttctcca	tacagagctg	gctaaacagt	360	
tggcagacac	aatggttcta	cctatcatac	aattccgaga	aaaggatctc	acagaagtaa	420	
gcactttaaa	ggatctattt	ggactcgcta	gcaatgagca	tgacctctca	atggcaaaat	480	
acagcaggct	gcctaagaaa	aaggagaatg	agaagggtgaa	gaccgaagtc	ggaaaagagg	540	
tggccgcggc	ccggcggaag	cagcacctct	cctcccttca	gtactactgt	gccctcaagc	600	
cgctgcagta	cagaaagcaa	atggccatga	tggagcccat	cataggcttt	gcccattggac	660	
agattaactt	ttttaagaag	ggagcagaga	tgttttccaa	acgtatggac	agctttttat	720	
cctccgttgc	agacatggtt	caaaagcattc	aggtagaact	ggaagccgag	gcggaaaaga	780	
tgcgggtgtc	ccagcaagaa	ttactttctg	ttgatgaatc	tgtttacact	ccagactctg	840	
atgtggccgc	accacagatc	aacagggaacc	tcatccagaa	ggctgggttac	cttaatctta	900	
gaaacaaaac	agggctggtc	accaccacct	gggagaggct	ttattttctc	acccaaggcg	960	
ggaatctcat	gtgtcagccc	aggggagccg	tggctggagg	tttgatccag	gacctggaca	1020	
actgctcagt	gatggccgtg	gattgcgaag	accggcgcta	ctgcttccag	atcaccacgc	1080	
ccaatggaaa	atcgggaata	atcctccagg	ctgagagcag	aaaggaaaat	gaagagtgga	1140	
tatgtgcaat	aaacaacacc	tccagacaga	tctacctgac	cgacaaccct	gaggccgtcg	1200	
cgatcaagtt	gaatcagacc	gctctgcaag	cagtgactcc	cattacaagt	tttgaaaaaa	1260	
aacaagaaa	ctcatgcccc	agccagaaoc	tgaaaaattc	agagatggaa	aatgaaaatg	1320	
acaagattgt	tcccaaagca	acagccagtc	tacctgaagc	agaggagctg	atcgcgcctg	1380	
gaacgccgat	tcaattcgat	attgtgcttc	ctgctacaga	attccttgat	cagaacagag	1440	
ggagcaggcg	taccaacctt	tttggtgaaa	ctgaggatga	atcaatttcca	gaagcagaag	1500	
attctctttt	gcagcagatg	tttatagttc	ggtttttggg	atcaattggca	gttaaaacag	1560	
acagcactac	ttagagtgat	ttatgaagcg	atgagacaag	tattggctgc	tccgggctatt	1620	
cataacatct	tccgatgac	agaatcccat	ctgatggtca	ccagtcaatc	tttgagggtg	1680	
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<210> 425
<211> 819
<212> PRT
<213> Homo sapiens
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Asp	Phe	Leu	Asp	Asp	Glu	Glu	Asp	Gln	Gly	Ile	Tyr	Gln	Ser	Lys	Val
		35					40					45			
Arg	Glu	Leu	Ile	Ser	Asp	Asn	Gln	Tyr	Arg	Leu	Ile	Val	Asn	Val	Asn
	50				55						60				
Asp	Leu	Arg	Arg	Lys	Asn	Glu	Lys	Arg	Ala	Asn	Arg	Leu	Leu	Asn	Asn
	65				70					75					80
Ala	Phe	Glu	Glu	Leu	Val	Ala	Phe	Gln	Arg	Ala	Leu	Lys	Asp	Phe	Val
				85				90						95	
Ala	Ser	Ile	Asp	Ala	Thr	Tyr	Ala	Lys	Gln	Tyr	Glu	Glu	Phe	Tyr	Val
			100					105					110		
Gly	Leu	Glu	Gly	Ser	Phe	Gly	Ser	Lys	His	Val	Ser	Pro	Arg	Thr	Leu
		115					120					125			
Thr	Ser	Cys	Phe	Leu	Ser	Cys	Val	Val	Cys	Val	Glu	Gly	Ile	Val	Lys
	130					135					140				
Cys	Ser	Leu	Val	Arg	Pro	Lys	Val	Val	Arg	Ser	Val	His	Tyr	Cys	Pro
145					150					155					160
Ala	Thr	Lys	Lys	Thr	Ile	Glu	Arg	Arg	Tyr	Ser	Asp	Leu	Thr	Thr	Leu
				165					170					175	
Val	Ala	Phe	Pro	Ser	Ser	Ser	Val	Tyr	Pro	Thr	Lys	Asp	Glu	Glu	Asn
			180					185					190		

Asn	Pro	Leu	Glu	Thr	Glu	Tyr	Gly	Leu	Ser	Val	Tyr	Lys	Asp	His	Gln
		195					200					205			
Thr	Ile	Thr	Ile	Gln	Glu	Met	Pro	Glu	Lys	Ala	Pro	Ala	Gly	Gln	Leu
	210					215					220				
Pro	Arg	Ser	Val	Asp	Val	Ile	Leu	Asp	Asp	Asp	Leu	Val	Asp	Lys	Ala
225					230					235					240
Lys	Pro	Gly	Asp	Arg	Val	Gln	Val	Val	Gly	Thr	Tyr	Arg	Cys	Leu	Pro
				245					250					255	
Gly	Lys	Lys	Gly	Gly	Tyr	Thr	Ser	Gly	Thr	Phe	Arg	Thr	Val	Leu	Ile
			260					265					270		
Ala	Cys	Asn	Val	Lys	Gln	Met	Ser	Lys	Asp	Ala	Gln	Pro	Ser	Phe	Ser
		275					280					285			
Ala	Glu	Asp	Ile	Ala	Lys	Ile	Lys	Lys	Phe	Ser	Lys	Thr	Arg	Ser	Lys
	290					295					300				
Asp	Ile	Phe	Asp	Gln	Leu	Ala	Lys	Ser	Leu	Ala	Pro	Ser	Ile	His	Gly
305					310					315					320
His	Asp	Tyr	Val	Lys	Lys	Ala	Ile	Leu	Cys	Leu	Leu	Leu	Gly	Gly	Val
				325					330					335	
Glu	Arg	Asp	Leu	Glu	Asn	Gly	Ser	His	Ile	Arg	Gly	Asp	Ile	Asn	Ile
			340					345					350		
Leu	Leu	Ile	Gly	Asp	Pro	Ser	Val	Ala	Lys	Ser	Gln	Leu	Leu	Arg	Tyr
		355					360					365			
Val	Leu	Cys	Thr	Ala	Pro	Arg	Ala	Ile	Pro	Thr	Thr	Gly	Arg	Gly	Ser
	370					375					380				
Ser	Gly	Val	Gly	Leu	Thr	Ala	Ala	Val	Thr	Thr	Asp	Gln	Glu	Thr	Gly
385					390					395					400
Glu	Arg	Arg	Leu	Glu	Ala	Gly	Ala	Met	Val	Leu	Ala	Asp	Arg	Gly	Val
				405					410					415	
Val	Cys	Ile	Asp	Glu	Phe	Asp	Lys	Met	Ser	Asp	Met	Asp	Arg	Thr	Ala
			420					425				430			
Ile	His	Glu	Val	Met	Glu	Gln	Gly	Arg	Val	Thr	Ile	Ala	Lys	Ala	Gly
		435					440					445			
Ile	His	Ala	Arg	Leu	Asn	Ala	Arg	Cys	Ser	Val	Leu	Ala	Ala	Ala	Asn
	450					455					460				
Pro	Val	Tyr	Gly	Arg	Tyr	Asp	Gln	Tyr	Lys	Thr	Pro	Met	Glu	Asn	Ile
465					470					475					480
Gly	Leu	Gln	Asp	Ser	Leu	Leu	Ser	Arg	Phe	Asp	Leu	Leu	Phe	Ile	Met
				485					490					495	
Leu	Asp	Gln	Met	Asp	Pro	Glu	Gln	Asp	Arg	Glu	Ile	Ser	Asp	His	Val
			500					505					510		
Leu	Arg	Met	His	Arg	Tyr	Arg	Ala	Pro	Gly	Glu	Gln	Asp	Gly	Asp	Ala
		515					520					525			
Met	Pro	Leu	Gly	Ser	Ala	Val	Asp	Ile	Leu	Ala	Thr	Asp	Asp	Pro	Asn
	530					535					540				
Phe	Ser														

Thr Ala Arg Thr Leu Glu Thr Leu Ile Arg Leu Ala Thr Ala His Ala
 625 630 635 640
 Lys Ala Arg Met Ser Lys Thr Val Asp Leu Gln Asp Ala Glu Glu Ala
 645 650 655
 Val Glu Leu Val Gln Tyr Ala Tyr Phe Lys Lys Val Leu Glu Lys Glu
 660 665 670
 Lys Lys Arg Lys Lys Arg Ser Glu Asp Glu Ser Glu Thr Glu Asp Glu
 675 680 685
 Glu Glu Lys Ser Gln Glu Asp Gln Glu Gln Lys Arg Lys Arg Arg Lys
 690 695 700
 Thr Arg Gln Pro Asp Ala Lys Asp Gly Asp Ser Tyr Asp Pro Tyr Asp
 705 710 715 720
 Phe Ser Asp Thr Glu Glu Met Pro Gln Val His Thr Pro Lys Thr
 725 730 735
 Ala Asp Ser Gln Glu Thr Lys Glu Ser Gln Lys Val Glu Leu Ser Glu
 740 745 750
 Ser Arg Leu Lys Ala Phe Lys Val Ala Leu Leu Asp Val Phe Arg Glu
 755 760 765
 Ala His Ala Gln Ser Ile Gly Met Asn Arg Leu Thr Glu Ser Ile Asn
 770 775 780
 Arg Asp Ser Glu Glu Pro Phe Ser Ser Val Glu Ile Gln Ala Ala Leu
 785 790 795 800
 Ser Lys Met Gln Asp Asp Asn Gln Val Met Val Ser Glu Gly Ile Ile
 805 810 815
 Phe Leu Ile

<210> 426
 <211> 178
 <212> PRT
 <213> Homo sapiens

<400> 426
 Glu Pro Arg Gly Ser Arg Ala Arg Phe Gly Cys Trp Arg Leu Gln Pro
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 Glu Phe Lys Pro Lys Gln Leu Glu Gly Thr Met Ala Asn Cys Glu Arg
 20 25 30
 Thr Phe Ile Ala Ile Lys Pro Asp Gly Val Gln Arg Gly Leu Val Gly
 35 40 45
 Glu Ile Ile Lys Arg Phe Glu Gln Lys Gly Phe Arg Leu Val Gly Leu
 50 55 60
 Lys Phe Met Gln Ala Ser Glu Asp Leu Leu Lys Glu His Tyr Val Asp
 65 70 75 80
 Leu Lys Asp Arg Pro Phe Phe Ala Gly Leu Val Lys Tyr Met His Ser
 85 90 95
 Gly Pro Val Val Ala Met Val Trp Glu Gly Leu Asn Val Val Lys Thr
 100 105 110
 Gly Arg Val Met Leu Gly Glu Thr Asn Pro Ala Asp Ser Lys Pro Gly
 115 120 125
 Thr Ile Arg Gly Asp Phe Cys Ile Gln Val Gly Arg Asn Ile Ile His
 130 135 140
 Gly Ser Asp Ser Val Glu Ser Ala Glu Lys Glu Ile Gly Leu Trp Phe
 145 150 155 160
 His Pro Glu Glu Leu Val Asp Tyr Thr Ser Cys Ala Gln Asn Trp Ile

	165							170							175						
Tyr Glu																					
<210>	427																				
<211>	570																				
<212>	PRT																				
<213>	Homo sapiens																				
<400>	427																				
Thr Glu Arg Ser Ala Leu Asp Val Lys Leu Lys His Ala Arg Asn Gln																					
				5					10					15							
Val Asp Val Glu Ile Lys Arg Arg Gln Arg Ala Glu Ala Asp Cys Glu																					
			20					25					30								
Lys Leu Glu Arg Gln Ile Gln Leu Ile Arg Glu Met Leu Met Cys Asp																					
			35				40					45									
Thr Ser Gly Ser Ile Gln Leu Ser Glu Glu Gln Lys Ser Ala Leu Ala																					
			50				55					60									
Phe Leu Asn Arg Gly Gln Pro Ser Ser Ser Asn Ala Gly Asn Lys Arg																					
					70						75				80						
Leu Ser Thr Ile Asp Glu Ser Gly Ser Ile Leu Ser Asp Ile Ser Phe																					
				85					90					95							
Asp Lys Thr Asp Glu Ser Leu Asp Trp Asp Ser Ser Leu Val Lys Thr																					
				100				105					110								
Phe Lys Leu Lys Lys Arg Glu Lys Arg Arg Ser Thr Ser Arg Gln Phe																					
				115				120					125								
Val Asp Gly Pro Pro Gly Pro Val Lys Lys Thr Arg Ser Ile Gly Ser																					
				130			135					140									
Ala Val Asp Gln Gly Asn Glu Ser Ile Val Ala Lys Thr Thr Val Thr																					
					150					155					160						
Val Pro Asn Asp Gly Gly Pro Ile Glu Ala Val Ser Thr Ile Glu Thr																					
				165					170					175							
Val Pro Tyr Trp Thr Arg Ser Arg Arg Lys Thr Gly Thr Leu Gln Pro																					
				180				185					190								
Trp Asn Ser Asp Ser Thr Leu Asn Ser Arg Gln Leu Glu Pro Arg Thr																					
				195			200					205									
Glu Thr Asp Ser Val Gly Thr Pro Gln Ser Asn Gly Gly Met Arg Leu																					
						215					220										
His Asp Phe Val Ser Lys Thr Val Ile Lys Pro Glu Ser Cys Val Pro																					
					230					235					240						
Cys Gly Lys Arg Ile Lys Phe Gly Lys Leu Ser Leu Lys Cys Arg Asp																					
				245					250					255							
Cys Arg Val Val Ser His Pro Glu Cys Arg Asp Arg Cys Pro Leu Pro																					
				260				265					270								
Cys Ile Pro Thr Leu Ile Gly Thr Pro Val Lys Ile Gly Glu Gly Met																					
				275			280					285									
Leu Ala Asp Phe Val Ser Gln Thr Ser Pro Met Ile Pro Ser Ile Val																					
						295					300										
Val His Cys Val Asn Glu Ile Glu Gln Arg Gly Leu Thr Glu Thr Gly																					
					310					315					320						
Leu Tyr Arg Ile Ser Gly Cys Asp Arg Thr Val Lys Glu Leu Lys Glu																					
				325					330					335							
Lys Phe Leu Arg Val Lys Thr Val Pro Leu Leu Ser Lys Val Asp Asp																					
				340				345					350								

Ile His Ala Ile Cys Ser Leu Leu Lys Asp Phe Leu Arg Asn Leu Lys
 355 360 365
 Glu Pro Leu Leu Thr Phe Arg Leu Asn Arg Ala Phe Met Glu Ala Ala
 370 375 380
 Glu Ile Thr Asp Glu Asp Asn Ser Ile Ala Ala Met Tyr Gln Ala Val
 385 390 395 400
 Gly Glu Leu Pro Gln Ala Asn Arg Asp Thr Leu Ala Phe Leu Met Ile
 405 410 415
 His Leu Gln Arg Val Ala Gln Ser Pro His Thr Lys Met Asp Val Ala
 420 425 430
 Asn Leu Ala Lys Val Phe Gly Pro Thr Ile Val Ala His Ala Val Pro
 435 440 445
 Asn Pro Asp Pro Val Thr Met Leu Gln Asp Ile Lys Arg Gln Pro Lys
 450 455 460
 Val Val Glu Arg Leu Leu Ser Leu Pro Leu Glu Tyr Trp Ser Gln Phe
 465 470 475 480
 Met Met Val Glu Gln Glu Asn Ile Asp Pro Leu His Val Ile Glu Asn
 485 490 495
 Ser Asn Ala Phe Ser Thr Pro Gln Thr Pro Asp Ile Lys Val Ser Leu
 500 505 510
 Leu Gly Pro Val Thr Thr Pro Glu His Gln Leu Leu Lys Thr Pro Ser
 515 520 525
 Ser Ser Ser Leu Ser Gln Arg Val Arg Ser Thr Leu Thr Lys Asn Thr
 530 535 540
 Pro Arg Phe Gly Ser Lys Ser Lys Ser Ala Thr Asn Leu Gly Arg Gln
 545 550 555 560
 Gly Asn Phe Phe Ala Ser Pro Met Leu Lys
 565 570

<210> 428

<211> 532

<212> PRT

<213> Homo sapiens

<400> 428

Leu Leu Asp Ala Gly Pro Gln Phe Pro Ala Ile Gly Val Gly Ser Phe
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 Ala Arg His His His His Ser Ala Ala Ala Ala Ala Ala Ala Ala
 20 25 30
 Glu Met Gln Asp Arg Glu Leu Ser Leu Ala Ala Ala Gln Asn Gly Phe
 35 40 45
 Val Asp Ser Ala Ala Ala His Met Gly Ala Phe Lys Leu Asn Pro Gly
 50 55 60
 Ala His Glu Leu Ser Pro Gly Gln Ser Ser Ala Phe Thr Ser Gln Gly
 65 70 75 80
 Pro Gly Ala Tyr Pro Gly Ser Ala Ala Ala Ala Ala Ala Ala Ala
 85 90 95
 Leu Gly Pro His Ala Ala His Val Gly Ser Tyr Ser Gly Pro Pro Phe
 100 105 110
 Asn Ser Thr Arg Asp Phe Leu Phe Arg Ser Ala Arg Leu Pro Gly Thr
 115 120 125
 Ser Ala Pro Gly Gly Gly Gln His Gly Leu Phe Gly Pro Gly Ala Gly
 130 135 140
 Gly Leu His His Ala His Ser Asp Ala Gln Gly His Leu Leu Phe Pro

145 150 155 160
 Gly Leu Pro Glu Gln His Gly Pro His Gly Ser Gln Asn Val Leu Asn
 165 170 175
 Gly Gln Met Arg Leu Gly Leu Pro Gly Glu Val Phe Gly Arg Ser Glu
 180 185 190
 Gln Tyr Arg Gln Val Ala Ser Pro Arg Thr Asp Pro Tyr Ser Ala Ala
 195 200 205
 Gln Leu His Asn Gln Tyr Gly Pro Met Asn Met Asn Met Gly Met Asn
 210 215 220
 Met Ala Ala Ala Ala Ala His His His His His His His His His Pro
 225 230 235 240
 Gly Ala Phe Phe Arg Tyr Met Arg Gln Gln Cys Ile Lys Gln Glu Leu
 245 250 255
 Ile Cys Lys Trp Ile Asp Pro Glu Gln Leu Ser Asn Pro Lys Lys Ser
 260 265 270
 Cys Asn Lys Thr Phe Ser Thr Met His Glu Leu Val Thr His Val Ser
 275 280 285
 Val Glu His Val Gly Gly Pro Glu Gln Ser Asn His Val Cys Phe Trp
 290 295 300
 Glu Glu Cys Pro Arg Glu Gly Lys Pro Phe Lys Ala Lys Tyr Lys Leu
 305 310 315 320
 Val Asn His Ile Arg Val His Thr Gly Glu Lys Pro Phe Pro Cys Pro
 325 330 335
 Phe Pro Gly Cys Gly Lys Val Phe Ala Arg Ser Glu Asn Leu Lys Ile
 340 345 350
 His Lys Arg Thr His Thr Gly Glu Lys Pro Phe Gln Cys Glu Phe Glu
 355 360 365
 Gly Cys Asp Arg Arg Phe Ala Asn Ser Ser Asp Arg Lys Lys His Met
 370 375 380
 His Val His Thr Ser Asp Lys Pro Tyr Leu Cys Lys Met Cys Asp Lys
 385 390 395 400
 Ser Tyr Thr His Pro Ser Ser Leu Arg Lys His Met Lys Val His Glu
 405 410 415
 Ser Ser Pro Gln Gly Ser Glu Ser Ser Pro Ala Ala Ser Ser Gly Tyr
 420 425 430
 Glu Ser Ser Thr Pro Pro Gly Leu Val Ser Pro Ser Ala Glu Pro Gln
 435 440 445
 Ser Ser Ser Asn Leu Ser Pro Ala Ala Ala Ala Ala Ala Ala Ala Ala
 450 455 460
 Ala Ala Ala Ala Ala Ala Val Ser Ala Val His Arg Gly Gly Gly Ser
 465 470 475 480
 Gly Ser Gly Gly Ala Gly Gly Gly Ser Gly Gly Gly Ser Gly Ser Gly
 485 490 495
 Gly Gly Gly Gly Gly Ala Gly Gly Gly Gly Gly Gly Ser Ser Gly Gly
 500 505 510
 Gly Ser Gly Thr Ala Gly Gly His Ser Gly Leu Ser Ser Asn Phe Asn
 515 520 525
 Glu Trp Tyr Val
 530

<210> 429

<211> 629

<212> PRT

<400> 429

Gly	Gly	Ala	Pro	Ala 5	Ser	Phe	Pro	Gly	Arg 10	Ala	Pro	Arg	Ser	Leu 15	Ala
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Lys	Gln	Arg	Gly	Ser 35	Lys	Gly	Gly	His	Gly 40	Ala	Ala	Ser 45	Pro	Ser	Glu
Lys	Gly	Ala	His	Pro 50	Ser	Gly 55	Gly	Ala	Asp	Asp 60	Val	Ala	Lys	Lys	Pro
Pro	Pro	Ala	Pro	Gln 65	Gln 70	Pro	Pro	Pro	Pro 75	Pro	Ala	Pro	His	Pro	Gln 80
Gln	His	Pro	Gln	Gln 85	His	Pro	Gln	Asn	Gln 90	Ala	His	Gly	Lys	Gly 95	Gly
His	Arg	Gly	Gly 100	Gly	Gly	Gly	Gly	Gly 105	Lys	Ser	Ser	Ser 110	Ser	Ser	Ser
Ala	Ser	Ala	Ala 115	Ala	Ala	Ala	Ala	Ala 120	Ala	Ser	Ser	Ser 125	Ala	Ser	Cys
Ser	Arg	Arg	Leu 130	Gly	Arg	Ala 135	Leu	Asn	Phe 140	Leu	Phe	Tyr	Leu	Ala	Leu
Val 145	Ala	Ala	Ala	Ala 150	Phe	Ser	Gly	Trp	Cys 155	Val	His	His	Val	Leu 160	Glu
Glu	Val	Gln	Gln 165	Val	Arg	Arg	Ser	His	Gln 170	Asp	Phe	Ser	Arg	Gln 175	Arg
Glu	Glu	Leu	Gly 180	Gln	Gly	Leu	Gln	Gly 185	Val	Glu	Gln	Lys 190	Val	Gln	Ser
Leu	Gln	Ala 195	Thr	Phe	Gly	Thr	Phe 200	Glu	Ser	Ile	Leu	Arg 205	Ser	Ser	Gln
His	Lys 210	Gln	Asp	Leu	Thr 215	Glu	Lys	Ala	Val	Lys	Gln 220	Gly	Glu	Ser	Glu
Val 225	Ser	Arg	Ile	Ser 230	Glu	Val	Leu	Gln	Lys 235	Leu	Gln	Asn	Glu	Ile	Leu 240
Lys	Asp	Leu	Ser 245	Asp	Gly	Ile	His	Val 250	Val	Lys	Asp	Ala	Arg	Glu 255	Arg
Asp	Phe	Thr	Ser 260	Leu	Glu	Asn	Thr 265	Val	Glu	Glu	Arg	Leu	Thr 270	Glu	Leu
Thr	Lys 275	Ser	Ile	Asn	Asp	Asn 280	Ile	Ala	Ile	Phe	Thr 285	Glu	Val	Gln	Lys
Arg	Ser 290	Gln	Lys	Glu	Ile 295	Asn	Asp	Met	Lys	Ala 300	Lys	Val	Ala	Ser	Leu
Glu 305	Glu	Ser	Glu	Gly 310	Asn	Lys	Gln	Asp	Leu 315	Lys	Ala	Leu	Lys	Glu	Ala 320
Val	Lys	Glu	Ile 325	Gln	Thr	Ser	Ala	Lys 330	Ser	Arg	Glu	Trp	Asp	Met 335	Glu
Ala	Leu	Arg	Ser 340	Thr	Leu	Gln	Thr 345	Met	Glu	Ser	Asp	Ile 350	Tyr	Thr	Glu
Val	Arg 355	Glu	Leu	Val	Ser	Leu 360	Lys	Gln	Glu	Gln	Gln 365	Ala	Phe	Lys	Glu
Ala	Ala 370	Asp	Thr	Glu	Arg	Leu 375	Ala	Leu	Gln	Ala 380	Leu	Thr	Glu	Lys	Leu
Leu 385	Arg	Ser	Glu	Glu 390	Ser	Val	Ser	Arg	Leu 395	Pro	Glu	Glu	Ile	Arg	Arg
Leu	Glu	Glu	Glu	Leu	Arg	Gln	Leu	Lys	Ser	Asp	Ser	His	Gly	Pro	Lys

405 410 415
 Glu Asp Gly Gly Phe Arg His Ser Glu Ala Phe Glu Ala Leu Gln Gln
 420 425 430
 Lys Ser Gln Gly Leu Asp Ser Arg Leu Gln His Val Glu Asp Gly Val
 435 440 445
 Leu Ser Met Gln Val Ala Ser Ala Arg Gln Thr Glu Ser Leu Glu Ser
 450 455 460
 Leu Leu Ser Lys Ser Gln Glu His Glu Gln Arg Leu Ala Pro Ala Gly
 465 470 475 480
 Ala Leu Glu Gly Leu Gly Ser Ser Glu Ala Asp Gln Asp Gly Leu Ala
 485 490 495
 Ser Thr Val Arg Ser Leu Gly Glu Thr Gln Leu Val Leu Tyr Gly Asp
 500 505 510
 Val Glu Glu Leu Lys Arg Ser Val Gly Glu Leu Pro Ser Thr Val Glu
 515 520 525
 Ser Leu Gln Lys Val Gln Glu Gln Val His Thr Leu Leu Ser Gln Asp
 530 535 540
 Gln Ala Gln Ala Ala Arg Leu Pro Pro Gln Asp Phe Leu Asp Arg Leu
 545 550 555 560
 Ser Ser Leu Asp Asn Leu Lys Ala Ser Val Ser Gln Val Glu Ala Asp
 565 570 575
 Leu Lys Met Leu Arg Thr Ala Val Asp Ser Leu Val Ala Tyr Ser Val
 580 585 590
 Lys Ile Glu Thr Asn Glu Asn Asn Leu Glu Ser Ala Lys Gly Leu Leu
 595 600 605
 Asp Asp Leu Arg Asn Asp Leu Asp Arg Leu Phe Val Lys Val Glu Lys
 610 615 620
 Ile His Glu Lys Val
 625

<210> 430
 <211> 147
 <212> PRT
 <213> Homo sapiens

<400> 430
 Pro Gln Trp Cys Pro Arg Ser Gln Ala Arg Ser Ser Ala Ala Ala Ala
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 Ala Arg Ala Ser Val Pro Leu Arg Gly Ser Pro Gly Pro Ser Ala Ile
 20 25 30
 Met Pro Met Phe Ile Val Asn Thr Asn Val Pro Arg Ala Ser Val Pro
 35 40 45
 Asp Gly Phe Leu Ser Glu Leu Thr Gln Gln Leu Ala Gln Ala Thr Gly
 50 55 60
 Lys Pro Pro Gln Tyr Ile Ala Val His Val Val Pro Asp Gln Leu Met
 65 70 75 80
 Ala Phe Gly Gly Ser Ser Glu Pro Cys Ala Leu Cys Ser Leu His Ser
 85 90 95
 Ile Gly Lys Ile Gly Gly Ala Gln Asn Arg Ser Tyr Ser Lys Leu Leu
 100 105 110
 Cys Gly Leu Leu Ala Glu Arg Leu Arg Ile Ser Pro Asp Arg Val Tyr
 115 120 125
 Ile Asn Tyr Tyr Asp Met Asn Ala Ala Asn Val Gly Trp Asn Asn Ser

140

<400>	431														
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Thr	Glu	Met	Leu	Arg	Ala	Cys	Gln	Leu	Ser	Gly	Val	Thr	Ala	Ala	Ala
			20					25					30		
Gln	Ser	Cys	Leu	Cys	Gly	Lys	Phe	Val	Leu	Arg	Pro	Leu	Arg	Pro	Cys
		35				40					45				
Arg	Arg	Tyr	Ser	Thr	Ser	Gly	Ser	Ser	Gly	Leu	Thr	Thr	Gly	Lys	Ile
	50					55					60				
Ala	Gly	Ala	Gly	Leu	Leu	Phe	Val	Gly	Gly	Gly	Ile	Gly	Gly	Thr	Ile
	65				70					75					80
Leu	Tyr	Ala	Lys	Trp	Asp	Ser	His	Phe	Arg	Glu	Ser	Val	Glu	Lys	Thr
				85					90					95	
Ile	Pro	Tyr	Ser	Asp	Lys	Leu	Phe	Glu	Met	Val	Leu	Gly	Pro	Ala	Ala
			100					105					110		
Tyr	Asn	Val	Pro	Leu	Pro	Lys	Lys	Ser	Ile	Gln	Ser	Gly	Pro	Leu	Lys
		115					120					125			
Ile	Ser	Ser	Val	Ser	Glu	Val	Met	Lys	Glu	Ser	Lys	Gln	Pro	Ala	Ser
	130					135					140				
Gln	Leu	Gln	Lys	Gln	Lys	Gly	Asp	Thr	Pro	Ala	Ser	Ala	Thr	Ala	Pro
145					150					155					160
Thr	Glu	Ala	Ala	Gln	Ile	Ile	Ser	Ala	Ala	Gly	Asp	Thr	Leu	Ser	Val
				165				170						175	
Pro	Ala	Pro	Ala	Val	Gln	Pro	Glu	Glu	Ser	Leu	Lys	Thr	Asp	His	Pro
			180					185					190		
Glu	Ile	Gly	Glu	Gly	Lys	Pro	Thr	Pro	Ala	Leu	Ser	Glu	Glu	Ala	Ser
		195					200					205			
Ser	Ser	Ser	Ile	Arg	Glu	Arg	Pro	Pro	Glu	Glu	Val	Ala	Ala	Arg	Leu
	210					215					220				
Ala	Gln	Gln	Glu	Lys	Gln	Glu	Gln	Val	Lys	Ile	Glu	Ser	Leu	Ala	Lys
225				230						235					240
Ser	Leu	Glu	Asp	Ala	Leu	Arg	Gln	Thr	Ala	Ser	Val	Thr	Leu	Gln	Ala
				245					250					255	
Ile	Ala	Ala	Gln	Asn	Ala	Ala	Val	Gln	Ala	Val	Asn	Ala	His	Ser	Asn
			260					265					270		
Ile	Leu	Lys	Ala	Ala	Met	Asp	Asn	Ser	Glu	Ile	Ala	Gly	Glu	Lys	Lys
		275				280						285			
Ser	Ala	Gln	Trp	Arg	Thr	Val	Glu	Gly	Ala	Leu	Lys	Glu	Arg	Arg	Lys
	290					295					300				
Ala	Val	Asp	Glu	Ala	Ala	Asp	Ala	Leu	Leu	Lys	Ala	Lys	Glu	Glu	Leu
305				310						315					320
Glu	Lys	Met	Lys	Ser	Val	Ile	Glu	Asn	Ala	Lys	Lys	Lys	Glu	Val	Ala
				325					330					335	
Gly	Ala	Lys	Pro	His	Ile	Thr	Ala	Ala	Glu	Gly	Lys	Leu	His	Asn	Met

Ile	Val	Asp	Leu	Asp	Asn	Val	Val	Lys	Lys	Val	Gln	Ala	Ala	Gln	Ser
		355					360					365			
Glu	Ala	Lys	Val	Val	Ser	Gln	Tyr	His	Glu	Leu	Val	Val	Gln	Ala	Arg
		370					375					380			
Asp	Asp	Phe	Lys	Arg	Glu	Leu	Asp	Ser	Ile	Thr	Pro	Glu	Val	Leu	Pro
385						390				395					400
Gly	Trp	Lys	Gly	Met	Ser	Val	Ser	Asp	Leu	Ala	Asp	Lys	Leu	Ser	Thr
				405					410					415	
Asp	Asp	Leu	Asn	Ser	Leu	Ile	Ala	His	Ala	His	Arg	Arg	Ile	Asp	Gln
				420					425				430		
Leu	Asn	Arg	Glu	Leu	Ala	Glu	Gln	Lys	Ala	Thr	Glu	Lys	Gln	His	Ile
				435				440					445		
Thr	Leu	Ala	Leu	Glu	Lys	Gln	Lys	Leu	Glu	Glu	Lys	Arg	Ala	Phe	Asp
						455					460				
Ser	Ala	Val	Ala	Lys	Ala	Leu	Glu	His	His	Arg	Ser	Glu	Ile	Gln	Ala
465						470				475					480
Glu	Gln	Asp	Arg	Lys	Ile	Glu	Glu	Val	Arg	Asp	Ala	Met	Glu	Asn	Glu
					485				490					495	
Met	Arg	Thr	Gln	Leu	Arg	Arg	Gln	Ala	Ala	Ala	His	Thr	Asp	His	Leu
								505					510		
Arg	Asp	Val	Leu	Arg	Val	Gln	Glu	Gln	Glu	Leu	Lys	Ser	Glu	Phe	Glu
							520						525		
Gln	Asn	Leu	Ser	Glu	Lys	Leu	Ser	Glu	Gln	Glu	Leu	Gln	Phe	Arg	Arg
						535						540			
Leu	Ser	Gln	Glu	Gln	Val	Asp	Asn	Phe	Thr	Leu	Asp	Ile	Asn	Thr	Ala
545						550					555				560
Tyr	Ala	Arg	Leu	Arg	Gly	Ile	Glu	Gln	Ala	Val	Gln	Ser	His	Ala	Val
						565				570				575	
Ala	Glu	Glu	Glu	Ala	Arg	Lys	Ala	His	Gln	Leu	Trp	Leu	Ser	Val	Glu
								585					590		
Ala	Leu	Lys	Tyr	Ser	Met	Lys	Thr	Ser	Ser	Ala	Glu	Thr	Pro	Thr	Ile
							600					605			
Pro	Leu	Gly	Ser	Ala	Val	Glu	Ala	Ile	Lys	Ala	Asn	Cys	Ser	Asp	Asn
						615					620				
Glu	Phe	Thr	Gln	Ala	Leu	Thr	Ala	Ala	Ile	Pro	Pro	Glu	Ser	Leu	Thr
625						630					635				640
Arg	Gly	Val	Tyr	Ser	Glu	Glu	Thr	Leu	Arg	Ala	Arg	Phe	Tyr	Ala	Val
						645				650				655	
Gln	Lys	Leu	Ala	Arg	Arg	Val	Ala	Met	Ile	Asp	Glu	Thr	Arg	Asn	Ser
								665					670		
Leu	Tyr	Gln	Tyr	Phe	Leu	Ser	Tyr	Leu	Gln	Ser	Leu	Leu	Leu	Phe	Pro
							680					685			
Pro	Gln	Gln	Leu	Lys	Pro	Pro	Pro	Glu	Leu	Cys	Pro	Glu	Asp	Ile	Asn
						695					700				
Thr	Phe	Lys	Leu	Leu	Ser	Tyr									

770

775

<210> 432

<211> 741

<212> PRT

<213> Homo sapiens

<400> 432

Arg	Pro	Lys	Arg	Leu	Arg	Thr	Gly	Asn	Met	Val	Arg	Ser	Gly	Asn	Lys
				5					10					15	
Ala	Ala	Val	Val	Leu	Cys	Met	Asp	Val	Gly	Phe	Thr	Met	Ser	Asn	Ser
			20					25					30		
Ile	Pro	Gly	Ile	Glu	Ser	Pro	Phe	Glu	Gln	Ala	Lys	Lys	Val	Ile	Thr
		35					40					45			
Met	Phe	Val	Gln	Arg	Gln	Val	Phe	Ala	Glu	Asn	Lys	Asp	Glu	Ile	Ala
	50					55					60				
Leu	Val	Leu	Phe	Gly	Thr	Asp	Gly	Thr	Asp	Asn	Pro	Leu	Ser	Gly	Gly
	65				70					75					80
Asp	Gln	Tyr	Gln	Asn	Ile	Thr	Val	His	Arg	His	Leu	Met	Leu	Pro	Asp
				85					90					95	
Phe	Asp	Leu	Leu	Glu	Asp	Ile	Glu	Ser	Lys	Ile	Gln	Pro	Gly	Ser	Gln
			100					105					110		
Gln	Ala	Asp	Phe	Leu	Asp	Ala	Leu	Ile	Val	Ser	Met	Asp	Val	Ile	Gln
		115					120					125			
His	Glu	Thr	Ile	Gly	Lys	Lys	Phe	Glu	Lys	Arg	His	Ile	Glu	Ile	Phe
	130					135					140				
Thr	Asp	Leu	Ser	Ser	Arg	Phe	Ser	Lys	Ser	Gln	Leu	Asp	Ile	Ile	Ile
	145				150					155					160
His	Ser	Leu	Lys	Lys	Cys	Asp	Ile	Ser	Leu	Gln	Phe	Phe	Leu	Pro	Phe
				165					170					175	
Ser	Leu	Gly	Lys	Glu	Asp	Gly	Ser	Gly	Asp	Arg	Gly	Asp	Gly	Pro	Phe
		180						185					190		
Arg	Leu	Gly	Gly	His	Gly	Pro	Ser	Phe	Pro	Leu	Lys	Gly	Ile	Thr	Glu
		195					200					205			
Gln	Gln	Lys	Glu	Gly	Leu	Glu	Ile	Val	Lys	Met	Val	Met	Ile	Ser	Leu
		210				215					220				
Glu	Gly	Glu	Asp	Gly	Leu	Asp	Glu	Ile	Tyr	Ser	Phe	Ser	Glu	Ser	Leu
					230					235					240
Arg	Lys	Leu	Cys	Val	Phe	Lys	Lys	Ile	Glu	Arg	His	Ser	Ile	His	Trp
				245					250					255	
Pro	Cys	Arg	Leu	Thr	Ile	Gly	Ser	Asn	Leu	Ser	Ile	Arg	Ile	Ala	Ala
			260					265					270		
Tyr	Lys	Ser	Ile	Leu	Gln	Glu	Arg	Val	Lys	Lys	Thr	Trp	Thr	Val	Val
		275					280					285			
Asp	Ala	Lys	Thr	Leu	Lys	Lys	Glu	Asp	Ile	Gln	Lys	Glu	Thr	Val	Tyr
	290					295					300				
Cys	Leu	Asn	Asp	Asp	Asp	Glu	Thr	Glu	Val	Leu	Lys	Glu	Asp	Ile	Ile
	305				310					315					320
Gln	Gly	Phe	Arg	Tyr	Gly	Ser	Asp	Ile	Val	Pro	Phe	Ser	Lys	Val	Asp
				325					330					335	
Glu	Glu	Gln	Met	Lys	Tyr	Lys	Ser	Glu	Gly	Lys	Cys	Phe	Ser	Val	Leu
			340					345				350			
Gly	Phe	Cys	Lys	Ser	Ser	Gln	Val	Gln	Arg	Arg	Phe	Phe	Met	Gly	Asn

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      355              360              365
Gln Val Leu Lys Val Phe Ala Ala Arg Asp Asp Glu Ala Ala Ala Val
  370              375              380
Ala Leu Ser Ser Leu Ile His Ala Leu Asp Asp Leu Asp Met Val Ala
385              390              395              400
Ile Val Arg Tyr Ala Tyr Asp Lys Arg Ala Asn Pro Gln Val Gly Val
      405              410              415
Ala Phe Pro His Ile Lys His Asn Tyr Glu Cys Leu Val Tyr Val Gln
      420              425              430
Leu Pro Phe Met Glu Asp Leu Arg Gln Tyr Met Phe Ser Ser Leu Lys
      435              440              445
Asn Ser Lys Lys Tyr Ala Pro Thr Glu Ala Gln Leu Asn Ala Val Asp
      450              455              460
Ala Leu Ile Asp Ser Met Ser Leu Ala Lys Lys Asp Glu Lys Thr Asp
465              470              475              480
Thr Leu Glu Asp Leu Phe Pro Thr Thr Lys Ile Pro Asn Pro Arg Phe
      485              490              495
Gln Arg Leu Phe Gln Cys Leu Leu His Arg Ala Leu His Pro Arg Glu
      500              505              510
Pro Leu Pro Pro Ile Gln Gln His Ile Trp Asn Met Leu Asn Pro Pro
      515              520              525
Ala Glu Val Thr Thr Lys Ser Gln Ile Pro Leu Ser Lys Ile Lys Thr
      530              535              540
Leu Phe Pro Leu Ile Glu Ala Lys Lys Lys Asp Gln Val Thr Ala Gln
545              550              555              560
Glu Ile Phe Gln Asp Asn His Glu Asp Gly Pro Thr Ala Lys Lys Leu
      565              570              575
Lys Thr Glu Gln Gly Gly Ala His Phe Ser Val Ser Ser Leu Ala Glu
      580              585              590
Gly Ser Val Thr Ser Val Gly Ser Val Asn Pro Ala Glu Asn Phe Arg
      595              600              605
Val Leu Val Lys Gln Lys Lys Ala Ser Phe Glu Glu Ala Ser Asn Gln
      610              615              620
Leu Ile Asn His Ile Glu Gln Phe Leu Asp Thr Asn Glu Thr Pro Tyr
625              630              635              640
Phe Met Lys Ser Ile Asp Cys Ile Arg Ala Phe Arg Glu Glu Ala Ile
      645              650              655
Lys Phe Ser Glu Glu Gln Arg Phe Asn Asn Phe Leu Lys Ala Leu Gln
      660              665              670
Glu Lys Val Glu Ile Lys Gln Leu Asn His Phe Trp Glu Ile Val Val
      675              680              685
Gln Asp Gly Ile Thr Leu Ile Thr Lys Glu Glu Ala Ser Gly Ser Ser
      690              695              700
Val Thr Ala Glu Glu Ala Lys Lys Phe Leu Ala Pro Lys Asp Lys Pro
705              710              715              720
Ser Gly Asp Thr Ala Val Phe Glu Glu Gly Gly Asp Val Asp Asp
      725              730              735
Leu Leu Asp Met Ile
      740

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<210> 433

<211> 291

<212> PRT

<213> Homo sapiens

<400> 433

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Phe Arg Pro Arg Tyr Glu Gly Arg Gly Arg Gly Cys Cys Gly Arg Val
      5                      10                      15
Leu Leu Leu Arg Arg Gly Leu His Val Asp Cys Gly Lys Leu Gly Asn
      20                      25                      30
Lys Leu Thr Ser Ser Cys Gly Lys Pro Ser Ser Asn Arg Met Ser Leu
      35                      40                      45
Gln Trp Thr Ala Val Ala Thr Phe Leu Tyr Ala Glu Val Phe Val Val
      50                      55                      60
Leu Leu Leu Cys Ile Pro Phe Ile Ser Pro Lys Arg Trp Gln Lys Ile
      65                      70                      75                      80
Phe Lys Ser Arg Leu Val Glu Leu Leu Val Ser Tyr Gly Asn Thr Phe
      85                      90                      95
Phe Val Val Leu Ile Val Ile Leu Val Leu Val Ile Asp Ala Val
      100                     105                     110
Arg Glu Ile Arg Lys Tyr Asp Asp Val Thr Glu Lys Val Asn Leu Gln
      115                     120                     125
Asn Asn Pro Gly Ala Met Glu His Phe His Met Lys Leu Phe Arg Ala
      130                     135                     140
Gln Arg Asn Leu Tyr Ile Ala Gly Phe Ser Leu Leu Leu Ser Phe Leu
      145                     150                     155                     160
Leu Arg Arg Leu Val Thr Leu Ile Ser Gln Gln Ala Thr Leu Leu Ala
      165                     170                     175
Ser Asn Glu Ala Phe Lys Lys Gln Ala Glu Ser Ala Ser Glu Ala Ala
      180                     185                     190
Lys Lys Tyr Met Glu Glu Asn Asp Gln Leu Lys Lys Gly Ala Ala Val
      195                     200                     205
Asp Gly Gly Lys Leu Asp Val Gly Asn Ala Glu Val Lys Leu Glu Glu
      210                     215                     220
Glu Asn Arg Ser Leu Lys Ala Asp Leu Gln Lys Leu Lys Asp Glu Leu
      225                     230                     235                     240
Ala Ser Thr Lys Gln Lys Leu Glu Lys Ala Glu Asn Gln Val Leu Ala
      245                     250                     255
Met Arg Lys Gln Ser Glu Gly Leu Thr Lys Glu Tyr Asp Arg Leu Leu
      260                     265                     270
Glu Glu His Ala Lys Leu Gln Ala Ala Val Asp Gly Pro Met Asp Lys
      275                     280                     285
Lys Glu Glu
      290

```

<210> 434

<211> 349

<212> PRT

<213> Homo sapiens

<400> 434

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Gly Val Ala Pro Trp Gly Arg Gly Arg Ala Ala Pro Arg Cys Ala Ser
      5                      10                      15
Ala Thr Val Gly Gly Ser Gly Ile Gly Arg Leu Arg Gly Ile Thr Ser
      20                      25                      30
Ser Gly Leu Lys Met Asp Asn Lys Lys Arg Leu Ala Tyr Ala Ile Ile

```

```

      35              40              45
Gln Phe Leu His Asp Gln Leu Arg His Gly Gly Leu Ser Ser Asp Ala
   50              55              60
Gln Glu Ser Leu Glu Val Ala Ile Gln Cys Leu Glu Thr Ala Phe Gly
   65              70              75              80
Val Thr Val Glu Asp Ser Asp Leu Ala Leu Pro Gln Thr Leu Pro Glu
              85              90              95
Ile Phe Glu Ala Ala Ala Thr Gly Lys Glu Met Pro Gln Asp Leu Arg
              100              105              110
Ser Pro Ala Arg Thr Pro Pro Ser Glu Glu Asp Ser Ala Glu Ala Glu
              115              120              125
Arg Leu Lys Thr Glu Gly Asn Glu Gln Met Lys Val Glu Asn Phe Glu
              130              135              140
Ala Ala Val His Phe Tyr Gly Lys Ala Ile Glu Leu Asn Pro Ala Asn
              145              150              155              160
Ala Val Tyr Phe Cys Asn Arg Ala Ala Ala Tyr Ser Lys Leu Gly Asn
              165              170              175
Tyr Ala Gly Ala Val Gln Asp Cys Glu Arg Ala Ile Cys Ile Asp Pro
              180              185              190
Ala Tyr Ser Lys Ala Tyr Gly Arg Met Gly Leu Ala Leu Ser Ser Leu
              195              200              205
Asn Lys His Val Glu Ala Val Ala Tyr Tyr Lys Lys Ala Leu Glu Leu
              210              215              220
Asp Pro Asp Asn Glu Thr Tyr Lys Ser Asn Leu Lys Ile Ala Glu Leu
              225              230              235              240
Lys Leu Arg Glu Ala Pro Ser Pro Thr Gly Gly Val Gly Ser Phe Asp
              245              250              255
Ile Ala Gly Leu Leu Asn Asn Pro Gly Phe Met Ser Met Ala Ser Asn
              260              265              270
Leu Met Asn Asn Pro Gln Ile Gln Gln Leu Met Ser Gly Met Ile Ser
              275              280              285
Gly Gly Asn Asn Pro Leu Gly Thr Pro Gly Thr Ser Pro Ser Gln Asn
              290              295              300
Asp Leu Ala Ser Leu Ile Gln Ala Gly Gln Gln Phe Ala Gln Gln Met
              305              310              315              320
Gln Gln Gln Asn Pro Glu Leu Ile Glu Gln Leu Arg Ser Gln Ile Arg
              325              330              335
Ser Arg Thr Pro Ser Ala Ser Asn Asp Asp Gln Gln Glu
              340              345

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<210> 435
<211> 519
<212> PRT
<213> Homo sapiens

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<400> 435
Gln Pro Ser Ala Glu Pro Arg Arg Thr Met Pro Ala Val Asp Lys Leu
              5              10              15
Leu Leu Glu Glu Ala Leu Gln Asp Ser Pro Gln Thr Arg Ser Leu Leu
              20              25              30
Ser Val Phe Glu Glu Asp Ala Gly Thr Leu Thr Asp Tyr Thr Asn Gln
              35              40              45
Leu Leu Gln Ala Met Gln Arg Val Tyr Gly Ala Gln Asn Glu Met Cys

```


	50					55					60				
Leu 65	Ala	Thr	Gln	Gln	Leu 70	Ser	Lys	Gln	Leu	Leu 75	Ala	Tyr	Glu	Lys	Gln 80
Asn	Phe	Ala	Leu	Gly 85	Lys	Gly	Asp	Glu	Glu 90	Val	Ile	Ser	Thr	Leu 95	His
Tyr	Phe	Ser	Lys 100	Val	Val	Asp	Glu	Leu 105	Asn	Leu	Leu	His	Thr	Glu 110	Leu
Ala	Lys 115	Gln	Leu	Ala	Asp	Thr	Met	Val	Leu	Pro	Ile	Ile	Gln	Phe	Arg
Glu 130	Lys	Asp	Leu	Thr	Glu	Val	Ser	Thr	Leu	Lys	Asp	Leu	Phe	Gly	Leu
Ala 145	Ser	Asn	Glu	His	Asp	Leu	Ser	Met	Ala	Lys	Tyr	Ser	Arg	Leu	Pro
Lys	Lys	Lys	Glu	Asn 165	Glu	Lys	Val	Lys	Thr	Glu	Val	Gly	Lys	Glu 175	Val
Ala	Ala	Ala	Arg 180	Arg	Lys	Gln	His	Leu 185	Ser	Ser	Leu	Gln	Tyr	Tyr	Cys
Ala	Leu	Asn 195	Ala	Leu	Gln	Tyr	Arg	Lys	Gln	Met	Ala	Met	Met	Glu	Pro
Met	Ile 210	Gly	Phe	Ala	His	Gly	Gln	Ile	Asn	Phe	Phe	Lys	Lys	Gly	Ala
Glu 225	Met	Phe	Ser	Lys	Arg	Met	Asp	Ser	Phe	Leu	Ser	Ser	Val	Ala	Asp
Met	Val	Gln	Ser	Ile 245	Gln	Val	Glu	Leu	Glu	Ala	Glu	Ala	Glu	Lys	Met
Arg	Val	Ser	Gln 260	Gln	Glu	Leu	Leu	Ser	Val	Asp	Glu	Ser	Val	Tyr	Thr
Pro	Asp	Ser 275	Asp	Val	Ala	Ala	Pro	Gln	Ile	Asn	Arg	Asn	Leu	Ile	Gln
Lys	Ala 290	Gly	Tyr	Leu	Asn	Leu	Arg	Asn	Lys	Thr	Gly	Leu	Val	Thr	Thr
Thr 305	Trp	Glu	Arg	Leu	Tyr	Phe	Phe	Thr	Gln	Gly	Gly	Asn	Leu	Met	Cys
Gln	Pro	Arg	Gly	Ala 325	Val	Ala	Gly	Gly	Leu	Ile	Gln	Asp	Leu	Asp	Asn
Cys	Ser	Val	Met	Ala 340	Val	Asp	Cys	Glu	Asp	Arg	Arg	Tyr	Cys	Phe	Gln
Ile	Thr	Thr	Pro	Asn 355	Gly	Lys	Ser	Gly	Ile	Ile	Leu	Gln	Ala	Glu	Ser
Arg	Lys 370	Glu	Asn	Glu	Glu	Trp	Ile	Cys	Ala	Ile	Asn	Asn	Thr	Ser	Arg
Gln 385	Ile	Tyr	Leu	Thr	Asp	Asn	Pro	Glu	Ala	Val	Ala	Ile	Lys	Leu	Asn
Gln	Thr	Ala	Leu	Gln 405	Ala	Val	Thr	Pro	Ile	Thr	Ser	Phe	Gly	Lys	Lys
Gln	Glu	Ser	Ser	Cys 420	Pro	Ser	Gln	Asn	Leu	Lys	Asn	Ser	Glu	Met	Glu
Asn	Glu	Asn 435	Asp	Lys	Ile	Val	Pro	Lys	Ala	Thr	Ala	Ser	Leu	Pro	Glu
Ala	Glu 450	Glu	Leu	Ile	Ala	Pro	Gly	Thr	Pro	Ile	Gln	Phe	Asp	Ile	Val
Leu 465	Pro	Ala	Thr	Glu	Phe	Leu	Asp	Gln	Asn	Arg	Gly	Ser	Arg	Arg	Thr
Asn	Pro	Phe	Gly	Glu	Thr	Glu	Asp	Glu	Ser	Phe	Pro	Glu	Ala	Glu	Asp

				485					490				495			
Ser	Leu	Leu	Gln	Gln	Met	Phe	Ile	Val	Arg	Phe	Leu	Gly	Ser	Met	Ala	
			500					505					510			
Val	Lys	Thr	Asp	Ser	Thr	Thr										
			515													

<210> 436

<211> 357

<212> PRT

<213> Homo sapiens

<400> 436

Met	Leu	Gln	Ile	His	Leu	Pro	Gly	Arg	His	Thr	Leu	Phe	Val	Arg	Ala	
				5					10						15	
Met	Ile	Asp	Ser	Gly	Ala	Ser	Gly	Asn	Phe	Ile	Asp	His	Glu	Tyr	Val	
			20					25					30			
Ala	Gln	Asn	Gly	Ile	Pro	Leu	Arg	Ile	Lys	Asp	Trp	Pro	Ile	Leu	Val	
		35					40					45				
Glu	Ala	Ile	Asp	Gly	Arg	Pro	Ile	Ala	Ser	Gly	Pro	Val	Val	His	Glu	
	50					55				60						
Thr	His	Asp	Leu	Ile	Val	Asp	Leu	Gly	Asp	His	Arg	Glu	Val	Leu	Ser	
	65				70					75					80	
Phe	Asp	Val	Thr	Gln	Ser	Pro	Phe	Phe	Pro	Val	Val	Leu	Gly	Val	Arg	
				85					90					95		
Trp	Leu	Ser	Thr	His	Asp	Pro	Asn	Ile	Thr	Trp	Ser	Thr	Arg	Ser	Ile	
			100					105					110			
Val	Phe	Asp	Ser	Glu	Tyr	Cys	Arg	Tyr	His	Cys	Arg	Met	Tyr	Ser	Pro	
		115					120					125				
Ile	Pro	Pro	Ser	Leu	Pro	Pro	Ala	Pro	Gln	Pro	Pro	Leu	Tyr	Tyr		
	130					135				140						
Pro	Val	Asp	Gly	Tyr	Arg	Val	Tyr	Gln	Pro	Val	Arg	Tyr	Tyr	Tyr	Val	
	145				150					155					160	
Gln	Asn	Val	Tyr	Thr	Pro	Val	Asp	Glu	His	Val	Tyr	Pro	Asp	His	Arg	
				165					170					175		
Leu	Val	Asp	Pro	His	Ile	Glu	Met	Ile	Pro	Gly	Ala	His	Ser	Ile	Pro	
			180					185					190			
Ser	Gly	His	Val	Tyr	Ser	Leu	Ser	Glu	Pro	Glu	Met	Ala	Ala	Leu	Arg	
		195					200					205				
Asp	Phe	Val	Ala	Arg	Asn	Val	Lys	Asp	Gly	Leu	Ile	Thr	Pro	Thr	Ile	
	210				215						220					
Ala	Pro	Asn	Gly	Ala	Gln	Val	Leu	Gln	Val	Lys	Arg	Gly	Trp	Lys	Leu	
	225				230					235					240	
Gln	Val	Ser	Tyr	Asp	Cys	Arg	Ala	Pro	Asn	Asn	Phe	Thr	Ile	Gln	Asn	
				245					250					255		
Gln	Tyr	Pro	Arg	Leu	Ser	Ile	Pro	Asn	Leu	Glu	Asp	Gln	Ala	His	Leu	
		260						265					270			
Ala	Thr	Tyr	Thr	Glu	Phe	Val	Pro	Gln	Ile	Pro	Gly	Tyr	Gln	Thr	Tyr	
		275					280					285				
Pro	Thr	Tyr	Ala	Ala	Tyr	Pro	Thr	Tyr	Pro	Val	Gly	Phe	Ala	Trp	Tyr	
	290					295					300					
Pro	Val	Gly	Arg	Asp	Gly	Gln	Gly	Arg	Ser	Leu	Tyr	Val	Pro	Val	Met	
	305				310					315					320	
Ile	Thr	Trp	Asn	Pro	His	Trp	Tyr	Arg	Gln	Pro	Pro	Val	Pro	Gln	Tyr	

325 330 335
 Pro Pro Pro Gln Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro
 340 345 350
 Ser Tyr Ser Thr Leu
 355

<210> 437
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 437
 cgcaccagct ctctgctctc ccagcgcagc gcgcgcgcgc ggcccctcca gcttcccgga 60
 ccatggccaa cctggagcgc accttcacgc ccatcaagcc ggacggcgtg cagcgcggcc 120
 tgggtgggca gatcatcaag cgcttcgagc agaagggatt ccgcctcgtg gccatgaagt 180
 tcctccgggc ctctgaagaa cacctgaagc agcactacat tgacctgaaa gaccgaccat 240
 tcttccctgg gctggtgaag tacatgaact cagggccggt tgtggccatg gtctgggagg 300
 ggctgaacgt ggtgaagaca ggccgagtga tgcttgggga gaccaatcca gcagattcaa 360
 agccaggcac cattcgtggg gacttctgca ttcagggttg caggaacatc attcatggca 420
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 ttgactacaa gtcttgtgct c 501

<210> 438
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 438
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 catgtagaca tgactggcat cagactggag ggtgaaagtt ccatttcagt atatgctaaa 180
 aactcacttc cagaacttag ccgagtagaa gcaaatagca cattgttaaa tgtgcatatt 240
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 aagcgaagtt atgtaactat gactgcaaca aagattgaaa tcactatgag aaaagctgaa 360
 ccgatgcagt gggcaagcct tgaactgcct gcagctaaaa agcaggaaaa acaaaaagat 420
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 tactgtgtga agtggtgggc t 501

<210> 439
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 439
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 aagacaatga tgaaattaag attgggacct catgtaagaa tggagggtgt tcaaagacat 120
 accagggtct agagagtcta gaagaagtct gtgtatatca ttctggagta cctattttcc 180

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<210> 440
<211> 481
<212> DNA
<213> Homo sapiens
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cagtcaaaag	aaagatacaa	gcaatcattt	ccatgtcttt	gttggtgato	tcagcccaga		180
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agtggtaaaa	gacatggcaa	caggaaagtc	taagggatat	ggctttgtct	cctttttcaa		300
caaatgggat	gctgaaaacg	ccattcaaca	gatgggtggc	cagtggcttg	gtggaagaca		360
aatcagaact	aactgggcaa	cccgaagcc	tcccgctcca	aagagtacat	atgagtcaaa		420
taccaaacag	ctatcatatg	atganggtgt	aaatcagctc	aatccaagca	actgtctgta		480
t							481